

TFI
R2

58
5 SEP 25
Copy ----- 1953

RAILWAY AGE

With which are incorporated the Railway Review, the Railroad Gazette, and the Railway Age Gazette. Name Registered in U. S. Patent Office and Trade Mark Office in Canada.

Founded in 1856

Office of Publication, Orange, Conn.
Editorial and Executive Offices at 30
Church Street, New York 7, N. Y.,
and 79 West Monroe Street, Chicago
3, Ill.

Branch Offices: 1081 National Press
Building, Washington 4, D. C.—Ter-
minal Tower, Cleveland 13, Ohio.—
Terminal Sales Building, Portland 5,
Ore.—1127 Wilshire Boulevard, Los
Angeles 17, Cal. — 244 California
Street, San Francisco 11, Cal.—2909
Maple Avenue, Dallas 4, Tex.

James G. Lyne, President. Samuel O.
Dunn, Chairman Emeritus. J. S. Crane,
Vice-President and Secretary. C. Miles
Burpee, Harry H. Melville, C. W.
Merriken, John R. Thompson, William
H. Schmidt, Jr., J. S. Vreeland, Fred
W. Smith, Vice-Presidents. Robert G.
Lewis, Assistant to President. Arthur
J. McGinnis, Executive Vice-President
and Treasurer. Ralph E. Westerman,
Assistant Treasurer.

INDEX

One Hundred and Thirty-Fourth
Quarto Volume

January 1, 1953, to June 30, 1953

Ninety-Eighth Year

1953

First Half

EDITOR . . .
James G. Lyne
EDITORIAL CONSULTANT . . .
Samuel O. Dunn
EXECUTIVE EDITOR . . .
William H. Schmidt, Jr.
MANAGING EDITOR . . .
C. B. Tavenner
NEWS & FINANCIAL EDITOR . . .
Gardner C. Hudson
WASHINGTON OFFICE . . .
Walter J. Taft
Joe W. Kizzia
ELECTRICAL DEPARTMENT . . .
Alfred G. Oehler
PURCHASES & EQUIPMENT . . .
Fred C. Miles

TRAFFIC & TRANSPORTATION
DEPARTMENT . . .
Robert G. Lewis
John W. Milliken
John S. Gallagher, Jr.

MECHANICAL DEPARTMENT . . .
C. B. Peck
E. L. Woodward
H. C. Wilcox
C. I. Combes
G. J. Weihofen

ENGINEERING DEPARTMENT . . .
M. H. Dick
Radford E. Dove
Ralph M. Schmidt

SIGNALING AND COMMUNICATIONS
DEPARTMENT . . .
John H. Dunn
Robert W. McKnight

WESTERN NEWS DEPARTMENT . . .
Arthur M. Cox, Jr.

WEST COAST NEWS . . .
T. D. MacMullen

ASSOCIATE EDITOR . . .
Charles Layng

LIBRARIAN . . .
Edith C. Stone
EDITORIAL ASSISTANT . . .
Frederick E. Colwill

Railway Age is a member of Associated Business Publications (A. B. P.) and Audit Bureau of Circulation (A. B. C.) and is indexed by the Industrial Arts Index and the Engineering Index Service. Published weekly by the Simmons-Boardman Publishing Corporation, Orange, Conn.
PRINTED IN U. S. A.

INDEX

One Hundred and Thirty-Fourth Quarto Volume—January 1, 1953, to June 30, 1953

AUTHORS

Ainsworth, E. R., Mar 9 p 122
Armold, Vanderbilt, May 11 p 14
Arpaia, Anthony F., Apr 6 p 11; June 1 p 63
Ashton, John W., Jan 26 p 47
Atkinson, Arthur K., Apr 6 p 13
Aydelott, James H., Mar 23 p 96

Baxter, Charles S., Jan 12 p 194; May 18 p 14
Bayer, Robert J., June 15 p 125, p 139
Bingham, S. H., Mar 23 p 76; May 25 p 21
Bixler, Herbert E., June 15 p 13
Blackburn, J. B., Mar 23 p 110
Bradford, R. K., June 29 p 42
Bretney, Pierre, Jan 19 p 43
Bricker, John W., Apr 20 p 11
Broadley, Peter E., Apr 20 p 86
Brown, Roy W., Jan 26 p 13
Budd, John M., Apr 6 p 58; June 1 p 64
Buehler, W., Mar 23 p 106

Cantrell, W. R., Feb 2 p 44
Carpil, Fred, Jan 26 p 37; Apr 6 p 15
Clark, Jesse, Jan 5 p 31
Cody, J. M., June 15 p 128
Cohen, Dr. Karl T., June 15 p 14
Converse, J. B., May 11 p 16
Cox, A. M., Jr., Jan 12 p 177
Cramer, R. E., Mar 23 p 107
Cross, Hugh W., June 29 p 12

Damon, Ralph S., May 4 p 9
Dick, James G., Jan 5 p 44
Dick, Merwin H., Jan 12 p 198, p 211
Douglass, George S., Jan 12 p 14*

Dugan, Hugh G., Mar 9 p 135

Duma, John H., Jan 12 p 202

Early, James R., May 11 p 9

Farley, William T., May 25 p 14
Feilman, J. A., Mar 23 p 104
Ford, Nancy, June 29 p 54
Forsythe, Stanley D., Mar 30 p 7
Fowler, Volney B., Feb 9 p 14
Franklin, Walter S., Feb 9 p 15

Gallagher, J. S., Jr., Jan 12 p 184, p 210; Mar 9 p 129; Apr 20 p 80
Geyer, C. J., Mar 23 p 94
Girton, E. W., June 15 p 129
Gordon, Donald, Jan 12 p 233, p 236
Grotz, W. Arthur, Apr 6 p 14; Apr 20 p 70
Grove, C. G., Mar 9 p 92

Haney, D. F., Mar 23 p 81
Herring, R. J., Apr 6 p 62
Hopkins, Z. G., Apr 6 p 12
Houck, Frank E., May 4 p 88
Hudson, Gardner C., Jan 12 p 188
Hudtolf, M. J., June 29 p 14
Hungerford, Clark, June 15 p 125

Johnson, Edwin C., Jan 12 p 11
Jones, Vincent S., June 29 p 55

Keller, H. L., Jan 19 p 27
Kerr, Charles, Jr., Apr 6 p 69
Kirby, H. E., Mar 23 p 109
Knudson, James K., Feb 16 p 12; Mar 16 p 23; June 29 p 16
Kusik, John E., June 15 p 129

Lang, Chester H., Jan 19 p 46
Laudig, J. J., Mar 23 p 65
Littlefield, R. J., Feb 9 p 70
Lozano, Alfonso H., Jan 12 p 237
Lyne, James G., June 29 p 55

Mackie, David I., Mar 23 p 17; Apr 27 p 14; June 15 p 8

Magee, G. M., Mar 23 p 95
Mahoney, J. J., May 4 p 9
Mather, W. A., Jan 12 p 234
McBrian, Ray, Mar 23 p 106
McCaffrey, John L., Jan 19 p 14
McCarthy, Wilson, June 29 p 15
McKnight, R. W., Jan 12 p 214
Megee, Caleb R., June 15 p 129
Michael, H. E., Jan 12 p 210
Miles, Fred C., Jan 12 p 181, p 184, p 220, p 226
Milliken, F. W., Jan 12 p 181, p 200; Mar 9 p 129
Monahan, F. W., Jan 5 p 8
Moore, J. T., June 15 p 128
Mullaney, Anthony J., June 15 p 11
Munns, Milton F., Jan 26 p 50
Murray, Robert B., May 4 p 11
Murrow, Lacey V., June 29 p 17

Naylor, May A., Apr 20 p 12
Neuschel, R. F., May 4 p 78
Newell, James P., Jan 26 p 46; June 15 p 120
Norden, Raymond A., Mar 9 p 8
Norton, Henry K., Apr 6 p 66

Oehler, Alfred G., Jan 12 p 208

Parmelee, J. H., Jan 12 p 144
Peck, C. B., Jan 12 p 220
Peterson, Claude E., May 11 p 14; May 18 p 141
Pinney, M. A., May 4 p 54
Poultnay, E. C., Feb 2 p 39
Prall, Bert R., May 4 p 11
Prance, George W., Feb 2 p 8

Rand, E. R., May 4 p 86
Rice, Roland, June 15 p 13
Roberts, Carlene, Mar 23 p 14
Root, E. S., June 15 p 123
Rourke, F. W., June 15 p 130
Ryan, E. F., May 25 p 12

Schmidt, William H., Jr., Feb 9 p 14; May 4 p 60
Schwietert, A. H., Jan 26 p 16
Scott, Jack G., Jan 5 p 12
Shoemaker, Perry M., Feb 2 p 34
Silcox, L. K., Mar 23 p 112
Simpson, W. K., Feb 2 p 14
Small, Robert O., Apr 6 p 15
Staley, J. R., Apr 6 p 13
Stevens, W. H. S., June 15 p 123
Swan, J. S., Jan 26 p 48
Swatosh, W. R., Mar 23 p 112
Sylvester, J. D., Mar 23 p 81
Symes, J. M., June 15 p 122

Taft, Walter J., Jan 12 p 178
Teker, J. W., Mar 9 p 122
Tennyson, E. L., Apr 6 p 90
Thomas, L. R., Feb 2 p 38
Thomas, W. A., May 11 p 9
Tobey, Charles W., Feb 23 p 15; Apr 6 p 88; June 1 p 11
Tuohy, Walter J., Jan 19 p 16; Mar 23 p 118

Warner, T. K., June 15 p 122
Weeks, Sinclair, June 8 p 9
White, William, Jan 19 p 14; Feb 23 p 46
Wilcox, H. C., Jan 12 p 196, p 226
Woodward, Robert M., June 15 p 11

Yellott, John I., Apr 20 p 86
Young, Robert R., Apr 6 p 89

GENERAL INDEX

[Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡.]

A

AMP Certi-Crimp Hand Tool, Feb 16 p 33*

Abandonments:

- Bill to Give I.C.C. Power to Order Abandonment of Unprofitable Intrastate Services, Feb 2 p 17; Mar 28 p 9
- Great Northern Cuts Out the Losers, June 1 p 67
- Jersey Central Lines to Discontinue 18 Trains, Mar 2 p 10
- N.Y.C. Advertisement Features Need for Removing Money-Losing Trains, June 29 p 15*
- N.Y.C. to Drop Some "Beeliners", Mar 30 p 12
- S.P. Passenger Service Abandonment Case Reviewed by California Supreme Court, Apr 13 p 11
- Staten Island Rapid Transit: Partial Abandonment of Passenger Service Approved, Jan 5 p 18
- Traffic Analysis Helps the Erie Secure Authority to Reduce Money-Losing Trains, June 1 p 68*

Accident Prevention: (See also Safety; Safety Devices)

- Color Recommendations of N.S.C. Adopted by S.T.L.-S.F., Jan 26 p 52
- F.R.I. Asks Help to Stop Children's Tampering with Trains, Feb 16 p 15; Mar 2 p 10

Accidents:

- A.C.L. "East Coast Champion" Derailed Near Dillon, S.C., Apr 27 p 14
- A.C.L. "Miamian" Derailed Near Fleming, Ga., Jan 26 p 53
- Cases of Suspected Sabotage Reported, Feb 2 p 48; Feb 16 p 15; Mar 2 p 10
- C.M.S.P.&P. Munition Cars Explode at Lewis, Ind., Apr 6 p 15
- Expllosion of Air Reservoir on Southern Diesel Locomotive, I.C.C. Report on, Mar 16 p 14
- Grade Crossing:
 - Canada to Investigate, Feb 2 p 49
 - Year 1952, June 15 p 16
- I.C.C. Bureau of Locomotive Inspection Annual Report for 1951-52, Feb 23 p 55*
- I.C.C. Statistics for November and December, Feb 16 p 15; January, Apr 20 p 18; February and March, June 15 p 18
- N.Y.C. Collision Near Conneaut, O., Apr 6 p 13
- Passenger Fatality Rate of Air Lines in 1952, Jan 5 p 12; Railroads and Air Lines Compared, Jan 12 p 11; Apr 20 p 16
- P.R.R. "Federal" Runs Through Gates at Washington Union Station, Jan 19 p 18; Fast Restoration Job for Inauguration, Jan 26 p 14*
- Senate Hearings, Jan 26 p 55; I.C.C. Hearings, Feb 2 p 18; I.C.C. Report, Feb 23 p 18
- Railroad Employee Accident Frequency Rate Compared with Other Industries, Apr 20 p 17
- Railroad Safety Record for 1952, Jan 12 p 11, p 156; Jan 19 p 45; Feb 16 p 15; Feb 23 p 19
- Rear-End Crashes Deplored by J. K. Knudson, June 29 p 16

Accounting:

- D&R.G.W. Budgetary and Cost Control Methods, Apr 6 p 62*
- Railroads Attack Paperwork Costs, Jan 12 p 200*
- R.S.&P.A. Forum on Electronic Equipment, May 4 p 74*
- R.S.&P.A. Workshop on Punched Card Mechanical Abstracting for Interline Received Carload Freight, Mar 9 p 130*
- Uniform System of Accounts for Steam Railroads; Tighter Expense Account Rules Urged, Apr 20 p 13
- Accounting Division, A.A.R., Annual Meeting of, June 15 p 122*
- Accounting Officers, C.&O. Program for Developing, Mar 23 p 84*
- Acousti-Booth, Burgess-Manning, Apr 20 p 64*
- Actuarial Valuation, Fifth, of the Assets and Liabilities Under the Railroad Retirement Acts, May 18 p 16
- Advertising:
 - A.T.&S.F. Campaign to Feature "Progress That Pays Its Own Way", Mar 30 p 21*; June 1 p 8
 - C.&N.W. Display Uses Xenon Gas, May 4 p 19*
 - C.B.&Q. Introduction of New "Kansas City Zephyr" and "American Royal Zephyr", Feb 9 p 71*
 - C.M.S.P.&P. Program for Publicizing Super Dome Cars, Feb 23 p 52*
 - N.Y.C. Features Need for Removing Money-Losing Trains, June 20 p 15*
 - Railroads Encourage Camera Fans as a means of Increasing Passenger Business, June 29 p 43*
- Advertising Awards Competition, A.R.A.M. Second Annual, Feb 2 p 8; Feb 9 p 14*
- Africa: Portugal to Construct New Railroad in Mozambique, Feb 2 p 51
- Agricultural Products Exemption from Regulation; T.A.A. Board Returns Recommendations to Policy Administration Board for Further Study, Jan 26 p 11
- Air Brakes (See Brakes, Air)
- Air-Charging System, New Yard; S.T.L.-S.F., Feb 23 p 22*
- Air Conditioners, Frigidaire Room, May 18 p 153*
- Air Conditioning:
 - C.B.&Q. "Kansas City Zephyr" and "American Royal Zephyr", Feb 9 p 82
 - "Package Units", A.R.E.A. Report on, Mar 23 p 110
- Air Freight Carriers to Form Trade Association, Apr 6 p 8
- Air Freight Traffic, Outlook for, Mar 9 p 8

Air Lines:

- Attracting Investment Capital; R. S. Damon on, May 4 p 9
- Campaign to Develop Air-Auto Travel, Feb 2 p 8
- Chicago & Southern and Delta Air Lines Merged, May 18 p 17
- Hertz Rent-a-Car System Promoted by, May 18 p 17
- Passenger Fare Investigation Dropped by C.A.B., May 25 p 10
- Passenger Fatality Rate in 1952, Jan 5 p 12; Jan 12 p 11; Apr 20 p 16
- Passenger Traffic in 1952, Jan 5 p 11; Compared with Railroad Traffic, May 25 p 10
- Rates and Fares in 1952, Jan 12 p 163
- U.A.L. Tariff for More Spacious Air-Coach Service Suspended by C.A.B., Mar 2 p 11
- Air-Maze Oil-Bath Filter for Diesel Locomotives, June 29 p 35*
- Air Meter for Field Service, Hastings, Jan 5 p 29*
- Air-Mover, MSA-Lamb, Used to Degas Tank Cars, Mar 23 p 83*
- Air Transportation Subsidies, President Truman on, Jan 19 p 13
- Air Transportation Program, C.A.B. Cites Goals for Its, Apr 20 p 17
- Aircraft Marine Products, Inc.:
 - Flag-Type Solderless Terminals, June 1 p 51*
 - Solderless Terminal Crimper, Feb 16 p 33*
- Airdock to be Tested by U.A.L., June 15 p 15
- Airports, Status of Federal Aid Program for, Jan 15 p 12; Jan 12 p 163
- Akron, Canton & Youngstown Signs Morrison Car Leasing Plan, June 22 p 13
- Alaska Railroad: Diesel Locomotives, Jan 19 p 12*
- Allegheny Regional Advisory Board Meeting, Apr 6 p 14; Apr 20 p 70†
- Allied Chemical & Dye Corp., Barrett Division: Tank Cars, Feb 23 p 18*
- Aluminum Company of America Establishes Alcoa Professorship in Engineering, Mar 2 p 20
- Aluminum Refrigerator Car, I.C. Performance of, Feb 23 p 57*; Correction, Mar 30 p 14
- American Association of Passenger Traffic Officers: Interim Business Meeting, May 11 p 14
- American Association of Railroad Superintendents: Annual Meeting, May 18 p 173; June 15 p 127*
- American Association of Traveling Passenger Agents: Officers, Feb 23 p 23
- American Automobile Association: Statement on Motor Vehicle Taxes, May 4 p 9
- American Brake Shoe Company:
 - Racor Snow Blower, June 8 p 18*
 - Racor Tie Pad, Mar 9 p 109
- American Car & Foundry Company:
 - Barrett Division of Allied Chemical & Dye Corporation Tank Cars, Feb 23 p 18*
 - D.L.&W. 50-Ton Hopper Car, May 25 p 13*
- American Institute of Electrical Engineers:
 - Bingham, S. H., on New York City's Need for Subway Cars, May 25 p 21
 - Electrical Problems of Diesel Operation in Canada, Mar 23 p 81*
 - Ten Ways to Train Maintainers for Diesel Locomotives, Mar 9 p 122*
 - What Diesels Mean to Railroads, Apr 6 p 60*
- American Iron & Steel Institute: Records Set by Steel Companies in 1952, Feb 16 p 8
- American Locomotive Company:
 - A.T.C. Diesel Locomotive That Can Operate on Various Gages and in the Arctic or the Tropics, Apr 13 p 10*
 - Award for Pan American Railway Congress Paper, Feb 16 p 16
 - Locomotive, 1600-hp. Diesel "World", June 22 p 12*
 - Progress Report on the Coal-Burning Gas-Turbine Locomotive, Apr 20 p 86*
 - To Carry on Development of the Coal-Burning Gas-Turbine for Commercial Purposes, Mar 16 p 23; Mar 23 p 120
- American Radiator & Standard Sanitary Corp.: Sanistan Women's Urinal, May 18 p 153*
- American Railway Car Institute:
 - Freight Car Orders and Deliveries: December and Year 1952, Jan 19 p 47; January, Feb 16 p 18; February, Mar 16 p 26; March, Apr 20 p 100; April, May 18 p 173; May, June 15 p 134
 - Metzman, Gustav, Chairman, Jan 5 p 8*, p 14
 - New York Office to Move, Feb 16 p 16
 - Organization of, Jan 5 p 14
 - Voorhees, B. S., Assistant to Chairman, Feb 16 p 16
- American Railway Development Association: Annual Meeting, Apr 13 p 19; May 11 p 16
- American Railway Engineering Association:
 - Board of Direction, Members of, Mar 23 p 96*
 - Committee Chairmen, List of, Mar 23 p 97
 - Highlights of Technical Sessions, Mar 23 p 103*
 - Manual Being Reprinted, Mar 23 p 105
 - Meeting Climaxes Year of Hard Work, Mar 23 p 94*
 - Program for Annual Meeting, Feb 16 p 17; Mar 9 p 88*
 - Report on Buildings, Mar 23 p 110
 - Report on Contract Forms, Mar 23 p 112
 - Report on Cooperative Relations with Universities, Mar 23 p 112
 - Report on Economics of Railway Labor, Mar 23 p 104, p 109
 - Report on Highways, Mar 23 p 100
 - Report on Iron and Steel Structures, Mar 23 p 110
- American Railway Engineering Association:—(Continued)
 - Report on Maintenance of Way Work Equipment, Mar 23 p 111
 - Report on Rail, Mar 23 p 106
 - Report on Roadway and Ballast, Mar 23 p 103
 - Report on Ties, Mar 23 p 104
 - Report on Track, Mar 23 p 106, p 108
 - Report on Water, Oil and Sanitation Services, Mar 23 p 111
 - Report on Waterproofing, Mar 23 p 110
 - Report on Yards and Terminals, Mar 23 p 112
 - Research Being Carried on by, Mar 23 p 95
 - American SAB Company: Double-Acting Slack Adjuster, May 18 p 113*; Correction, May 25 p 14
 - American Short Line Railroad Association:
 - Meeting at Atlantic City; Attendance and Address of Comm. Cross, June 29 p 12
 - Regional Meeting, Mar 30 p 22
 - American Society of Traffic & Transportation: Second Biennial Seminar and Conference, May 18 p 171
 - American Steel Foundries:
 - Annual Report, Jan 12 p 14
 - "Sand in Their Shoes"; Company History, Feb 9 p 8
 - Transportation Division Formed, Jan 19 p 48*
 - American Trucking Associations, Inc.:
 - I.C.C. Reorganization to be Opposed by, June 29 p 7
 - Motor Truck Traffic in 1952, Jan 5 p 13; Apr 13 p 6
 - Review of Motor Truck Industry in 1952, Jan 5 p 13
 - American University:
 - Foreign Transportation Institute, Sixth, May 4 p 13
 - Institute of Industrial Transportation and Traffic Management, Fifth, Jan 12 p 13; Feb 2 p 15; Mar 2 p 12
 - Rail Transportation Institute, Seventh, Feb 16 p 14; Apr 6 p 11*
 - American Wood-Preservers' Association: Annual Meeting, May 4 p 83*
 - Amortization of Defense Facilities:
 - Certificates Granted by D.P.A., Feb 23 p 22; by O.D.M., May 11 p 23; May 18 p 169
 - Certificates Granted by D.P.A., Review of, Jan 12 p 156; Feb 2 p 50
 - Angle Cock Inspection, Immediate, Urged by I.C.C., Feb 23 p 18
 - Angle Cock Locking Device to be Installed by P.R.R. on Certain Passenger Cars, Feb 16 p 8
 - Ann Arbor: Dieselization Completed, Mar 2 p 9
 - Annual Report Tables for Individual Roads, Mar 30 p 27; Apr 27 p 27; May 18 p 190; June 15 p 143
 - Annuity Plan of B.&O., May 4 p 64*
 - Antitrust Suit Filed Against Coupler Manufacturers, June 1 p 12
 - Antitrust Suit Filed Against Eastern Railroads by Pennsylvania Motor Truck Association, Jan 26 p 17; Feb 2 p 33†; Mar 30 p 14; Apr 20 p 8; June 1 p 8; June 29 p 7
 - Antitrust Suit of Seaboard Lines Against the Railroads, Jan 19 p 13; Feb 16 p 13; Mar 23 p 14
 - Apex Running Boards, Cold-Riveted Application of, Apr 20 p 63*
 - Appalachian Traffic Club: Officers, Jan 5 p 15
 - Argentina Has Special Rules for Pan-American Railway Congress Prizes, Mar 30 p 22
 - Army (See United States Department of the Army)
 - Asian Railway Officers Visit U. S. Plants and Railroads, Jan 12 p 13*; Mar 2 p 12*
 - Associated Railway Track Contractors of America: Officers May 18 p 173
 - Association of American Railroads: Accounting Division:
 - Annual Meeting, June 15 p 122*
 - Statistical Manual to be Issued, Apr 20 p 18
 - Antitrust Suit Against Coupler Manufacturers, Named in, June 1 p 12
 - Bureau of Railway Economics:
 - Earnings Report for November, Jan 19 p 15; December, Feb 16 p 12; January, Mar 16 p 9*; February, Apr 13 p 10; March, May 11 p 15; April, June 8 p 11
 - Purchases: Years 1923-52, Apr 13 p 9
 - Car Building Program, Jan 12 p 154
 - Car Service Division:
 - Comparison of Shippers' Estimates and Actual Car Loadings in Third Quarter of 1952, Mar 2 p 19; Fourth Quarter, June 15 p 14
 - Reports on the Car Supply, Feb 2 p 11; Mar 2 p 9; Mar 30 p 11; Apr 27 p 11; June 1 p 17; June 29 p 14
 - Service Orders, Apr 27 p 11; May 11 p 9; June 22 p 24
 - Claim Section Formed, June 29 p 61
 - Communications Section: Officers, Jan 26 p 56
 - Electrical Section: Program for Annual Meeting, June 15 p 99
 - Fire Protection and Insurance Section: Booklet on Fire Prevention Rules, Mar 23 p 114
 - Fletcher, R. V., Scroll Presented to, Jan 10 p 16*
 - Freight Car Orders and Deliveries: December and Year 1952, Jan 19 p 47; January, Feb 16 p 18; February, Mar 16 p 26; March, Apr 20 p 100; April, May 18 p 173; May, June 15 p 134
 - Freight Claim Division:
 - Annual Meeting, June 1 p 16
 - Claim Payments: First Six Months of 1952, Jan 12 p 14
 - Northwestern Claim Conference: Officers, Feb 23 p 23

GENERAL INDEX—Continued

[Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡]

Association of American Railroads:—(Continued)
 Freight Commodity Classification, to Issue New Edition of, May 25 p 13
 Freight Loss and Damage Prevention Section: Annual Meeting, June 1 p 15
 Container Research and Development Seminars, Mar 30 p 9, p 10*
 Tests to Determine Cause of Dressed-Beef Damage, May 4 p 58*

Freight Station Section: Annual Meeting, June 15 p 114*
 Hollar, P.A., An Interview with, June 29 p 50*
 Locomotives on Order and Installed, Feb 2 p 51; Mar 2 p 23; Mar 30 p 24; Apr 27 p 20; May 25 p 20; June 22 p 25

Mechanical Division:
 Meeting Dates for 1954, June 29 p 11
 Probable Attendance at Atlantic City Convention, Jan 19 p 30†
 Program for Annual Meeting, June 15 p 99
 Scholarship at Stevens Institute, Jan 26 p 16

Medical and Surgical Section: Officers, Apr 27 p 21
 Mileage Rates on Refrigerator Cars Increased, Feb 9 p 17; Mar 30 p 12

National Container Committee, Reduction in Honeydew Melon Claims, Feb 16 p 14
 Per Diem Increase Recommended by Operating Transportation Division, May 25 p 7; Roads to Vote on, June 1 p 14

Protective Section:
 Annual Meeting, June 1 p 14; June 15 p 8
 National Railroad Police Academy Conducted by, June 29 p 18

Purchases and Stores Division:
 Probable Attendance at Atlantic City Convention, Jan 19 p 30†
 Program for Annual Meeting, June 15 p 99
 "Railroad Hour", Continued Popularity of, Mar 2 p 7; Program to Continue, June 15 p 8

Safety Section: Annual Meeting, June 1 p 18; June 15 p 124*
 Seafarers Lines Complaint, I.C.C. Urged to Deny, Feb 16 p 13

Signal Section: Officers, Mar 2 p 20
 Association of Interstate Commerce Commission Practitioners: Annual Meeting, June 1 p 12

Association of Railroad Advertising Managers: Advertising Awards Competition, Feb 2 p 8; Feb 9 p 14*
 Annual Meeting, Feb 9 p 14*

Association of Railway Claim Agents: Officers, June 22 p 16

Association of Southeastern Railroads Organized, May 4 p 15*

Association of Western Railways:
 Competitive Transportation; Monthly Digest of News, Apr 20 p 8
 Program for Improvement of Farm-to-Market Roads Supported, Apr 13 p 20; Apr 27 p 14

Atchison, Topeka & Santa Fe:
 Advertising Campaign to Feature "Progress That Pays Its Own Way", Mar 30 p 21*; June 1 p 8
 Bond Retirement Plan Approved, May 11 p 23
 Car and Window Washer, Movable, Jan 19 p 34*
 Cars, R.D.C., Make Money on Los Angeles-San Diego Line, Jan 19 p 31*
 Dallas Entrance, New, Studied, Apr 20 p 15
 Dieselization Program's Effect on Freight Train Performance, Mar 30 p 11*
 Employees Test Legality of Union Shop, June 29 p 9
 Fined for Elkins Act Violation, May 18 p 12
 Found Not Guilty of Fraud in Personal Injury Case, June 15 p 133
 Officers to Attend U.S.C. Institute of Business Economics, May 18 p 14
 Pacific Coast Freight Time Cut, Mar 30 p 11
 Perishable Service, Fast, to Chicago, Apr 20 p 15;
 June 15 p 11; June 22 p 25*

Reletterized Roadway Signs, Apr 20 p 77*
 Reservation Diagrams Include Sheets Showing Train Schedules, May 18 p 153*
 "San Francisco Chief" Planned, June 15 p 13

Station, Freight, at San Francisco, Jan 26 p 42*
 Atchison Union Depot Company to Build New Union Station, Mar 2 p 10*

Atlantic City Conventions:
 American Short Line Railroad Association; Attendance and Address of Comm. Cross, June 29 p 12
 Exhibits, June 23 p 11*, p 12*
 Opening of, June 29 p 11
 Probable Railroad Attendance at, Jan 19 p 30†
 Those Atlantic City Conventions, May 4 p 50†

Atlantic Coast Line:
 "East Coast Champion" Derailed Near Dillon, S.C., Apr 27 p 14
 Florida Service Improved, May 18 p 152*
 "Miamiian" Derailed Near Fleming, Fla., Jan 26 p 53

Property Protection Department, Duties of, June 1 p 14
 Supreme Court Decision in Case Involving Transfer of Action Under Federal Employers Liability Act, May 11 p 13
 Supreme Court Refuses to Review Ruling Requiring Rebuilding of Charleston Union Station, Mar 23 p 14
 Warehouse Construction in Atlanta, May 4 p 68*

Atlantic-Gulf Coastwise Steamship Freight Bureau: Rate Procedures Agreement Effective, Jan 19 p 15

Atlantic States Shippers' Advisory Board: Annual Meeting, Jan 26 p 52

Atom Blast's Effect on Railroads, Comm. Knudson To Seek Study of, Mar 30 p 10
 Atomic Power's Effect on Freight Traffic, June 15 p 14
 Auditing of Freight Accounts, R.S.P.A. Workshop Discusses Ways of Simplifying, Mar 9 p 133*

Austria, Electrification Progress in, Mar 23 p 140
 Authors to Write Railroad Books Needed, Jan 12 p 139; May 4 p 47

Auto-Air Travel, Campaign to Develop, Feb 2 p 8
 Autoader, New, Evan Products Company, Apr 13 p 22*

Auto-Rail Travel:
 Air Lines Help to Promote, May 18 p 17
 C.E.I. Joins Hertz Rent-a-Car System, May 18 p 12
 Hertz Advertising to Feature, Mar 30 p 7

Automatic Lift Truck with Electric Transmission, June 15 p 92*

Automatic Standard Skylift CF Lift Truck, June 1 p 52*

Automobiles, Special Cars for Handling, Feb 23 p 50*

Avis Rent-a-Car System to Cooperate with Air Lines on Air-Auto Travel, Feb 2 p 8

Awards: (See also Safety Awards)
 Association of Railroad Advertising Managers: Second Annual Awards Competition, Feb 2 p 8; Feb 9 p 14*
 A.T.&S.F. Advertising Wins Award, June 1 p 8
 C.N.W. Newsline Honored by A.A.E., May 18 p 169
 Delta Nu Alpha Award Given to A. S. Genet, June 8 p 20*

Engineering Institute of Canada Awards Given to M. V. Maxwell and J. E. Armstrong, June 15 p 133

Erico Trucks Awarded Sanitation Citation, June 1 p 51

Fairbanks, Morse Cincinnati Branch Awarded Morse Trophy for Sales Performance, Mar 23 p 16*
 Federation for Railway Progress, Mar 2 p 19; Mar 16 p 23*; Mar 30 p 21; Apr 6 p 88*

Freedoms Foundation Award Given to W.M., Mar 2 p 7

General Motors Essay Contest Award Won by L. V. Murray, June 29 p 17

German Order of Merit Awarded to Dr. L. M. Homberger, Mar 2 p 12

Missouri Honor Award Won by R. P. Hart, Apr 6 p 83

Pan American Railway Congress Awards for Technical Papers to be Presented at Eighth Congress, Feb 9 p 11; Feb 16 p 16; Feb 23 p 39; Mar 30 p 22

R.R.A. Honors Col. R. H. Henry, June 29 p 55
 Steel Founders' Society of America, Apr 6 p 93
 Third Transportation Military Railway Service Headquarters Cited for Meritorious Service, Mar 23 p 120*

T.P.&W. Awards "Willies" for Community Leadership, May 18 p 16*

[Roy V.] Wright Essay Contest Winners, Mar 9 p 12; Mar 16 p 20

Axle-Mile Tax Considered in Ohio, June 8 p 5

B

Baggage-Checking Tariffs Ordered Canceled by I.C.C., June 8 p 10
 Baggage Counter, High and Low Level, May 18 p 156*

Baldwin-Lima-Hamilton Corporation:
 Locomotive Business Smaller Percentage of Total Business in 1952, Mar 23 p 122
 Locomotive Safety Hatch, Jan 12 p 137*
 To Aid Dutch Manufacturers in Producing Diesel Locomotives, Mar 2 p 20

Ballast, A.R.E.A. Report on, Mar 23 p 103

Baltimore & Ohio:
 Amenity Plan, May 4 p 64*
 Cars, Bud/BDC, for Pittsburgh Area, Mar 30 p 10
 Cars, Lightweight Hopper, 10-Year Service Record of, June 15 p 116*
 Case of Suspected Sabotage Reported, Feb 2 p 49
 Charged with Filing False Financial Statements, Jan 12 p 14
 Detroit-Cincinnati Coach Fares Reduced, June 22 p 16

R.F.C. Indebtedness Reduced, Feb 16 p 54
 Supreme Court Finds I.C.C. May Fix Below-Cost Rates, Mar 23 p 11
 Training Program, Non-Technical, for Young Employees, Mar 9 p 12; Apr 20 p 101*

Transportation Museum at Baltimore, June 15 p 18
 White, R. B., May Become Chairman, May 18 p 8

Bangor & Aroostook:
 Bonds for Sale by R.F.C., Apr 6 p 103
 Car, Diesel, Replaces Branch Line Train, Mar 23 p 14*
 Radio Extended Over Entire Line, Mar 9 p 18*; June 1 p 70*

Barber-Greene Ditching Machine, Mar 9 p 105*

Barco Swing Joints, Mar 9 p 109*

Bas Congo Au Katanga Railway: Electric Locomotive and Substation, Feb 9 p 16*

Bases, Jackson Compactor, Mar 9 p 107*

Battery Charger ("Winchacher") for Charging Block Signals, Apr 20 p 76*

Battery, T-H Exide Ironclad, June 15 p 91

Beamed Radio (See Radio)

Bearings, Journal (See Journal Bearings)

Bearings, Roller (See Journal Bearings, Roller)

Bearings, Traction Motor (See Traction Motor Bearings)

Belgian Congo Rail Line Electrification, Feb 9 p 16*

Belgium: Electrification Program, Jan 26 p 47*

Belt Railway of Chicago:
 Crew-Dispatching and Welfare Building, Feb 23 p 49*
 Officers Complete Human Relations Course, June 22 p 15

Benchmarks and Yardsticks, Jan 5 p 31; Jan 12 p 139; Feb 16 p 35; Feb 23 p 43; Mar 9 p 83; Mar 23 p 61; Apr 6 p 55; Apr 20 p 67; May 4 p 47; May 18 p 119; June 1 p 55; June 15 p 95; June 29 p 39

Bendix Aviation Corporation:
 Radio Division:
 MRT-9 Radio Packet Set, June 15 p 92*
 S.L.L.-S.F. Uses Walkie-Talkie Radio to Transmit Car Numbers, Feb 2 p 50*

Bessemer & Lake Erie: 70-Ton Ore Cars, May 4 p 53*

Bills in Congress, Feb 2 p 17; Feb 23 p 60; Mar 9 p 11; Mar 30 p 21; Apr 6 p 18; June 8 p 11

Bituminous Coal Research, Inc.: Annual Meeting, Feb 23 p 23; Mar 23 p 118; Apr 20 p 86*

Locomotive Development Committee:
 American Locomotive Company to Carry on Development of the Coal-Burning Gas-Turbine for Commercial Purposes, Mar 16 p 23
 Progress Report on the Coal-Burning Gas-Turbine Locomotive, May 23 p 118; Apr 20 p 86*

Blaw-Knox Steel Gratings Used on P.R.R. Bridge, Mar 23 p 114*

Blaw-Knox Tie Grappler, Mar 9 p 107*

Block Signaling (See Signaling)

Blood Donor Car, G.N. Given Citation for, Apr 20 p 13*

Blower, Bacon Snow, June 8 p 18*

Bogie Continuous Power Generator, Apr 20 p 64*

Bogie Hollow-Shaft Generator, June 15 p 92*

Bogie Mobile Generator, Mar 9 p 104*

Bogie Power Capsule Telegraph Rectifier, Apr 6 p 50*

Boiler Water Treatment (Borgana), Mar 9 p 109

Bombing of Strategic Transportation Installations, Pinpoint, Value of, June 15 p 11

Bond Financing in 1952, Jan 12 p 192

Bondware Empire Paper Plate Service, May 18 p 162*

Books on Railroad Subjects Needed, Jan 12 p 139; May 4 p 47

Boontonware Plastic Dishes, Apr 20 p 84*

Borgana: Boiler Water Treatment, Mar 9 p 109

Boston & Albany:
 Back Bay Yards Sold, Feb 23 p 16
 Seeks to Discontinue Eight "Beeliners", Mar 30 p 12

Both & Maine:
 "East Wind" to be Operated with N.Y.N.H.&H., Apr 20 p 16

Improvement Program, Jan 12 p 16

Stock Adjustment Plan, Apr 27 p 26; May 11 p 23

Ties, Advantages of Incising, May 4 p 86

Trains, 19, to be Added, Apr 20 p 15

Withdraws from That Portion of the Section 5a Agreement Which Relates to the Fixing of Per Diem Rates, June 22 p 13; Correction, June 29 p 16

Bower Roller Bearing Company Joins with Franklin Railway Supply Company to Produce Freight Car Roller Bearings, Feb 18 p 18

Bowes Plastic Paper Plates, May 18 p 162*

Brake Installations and Specifications, Bill to Give I.C.C. Authority Over, Mar 16 p 12; Mar 30 p 21; Apr 20 p 12; May 4 p 49†

Brake Regulators (See Slack Adjusters)

Brakes, Air:
 American SAB Double-Acting Slack Adjuster, May 18 p 113*; Correction, May 25 p 14
 Controlling Speed of Long Freight Trains, Jan 20 p 48*

Klasling Automatic Slack Adjuster, Mar 23 p 57*
 Number of Cars Equipped with AB Brakes, Feb 16 p 11

Brazil: Program for Rehabilitating the Rede Mineira Railway, Mar 23 p 140

Brice Hayes Improved Track-Lining Scope, Mar 9 p 100*

Bridge and Building Supply Association: Joint Exhibit with Track Supply Association, Jan 19 p 47

Bridges:
 C.S.S.&S.B. Swing-Span Converted into Fixed Span, Feb 16 p 44*

Laminated Timbers, A.W.P.A. Report on, May 4 p 86

Briggs & Stratton Gasoline Engines, New Clutch for, Mar 9 p 108*

British Railways:
 Coronation Emblem Used on Trains, June 8 p 9*
 Freight Rate Increases Since 1938, Jan 26 p 55
 Locomotive, Gas-Turbine, Tested, Feb 2 p 39*
 Review of New Transport Legislation, May 4 p 60*
 Review of Operations in 1952, Jan 12 p 157

Bronx Traffic Club: Officers, Feb 16 p 18

Broom, Kershaw Track, Mar 9 p 100*

Brotherhood of Locomotive Engineers: Strike Called on C.W.C., June 15 p 17

Brotherhood of Railroad Trainmen:
 Canadian Wage Case, Jan 26 p 16; Feb 2 p 16; Feb 9 p 18; Feb 23 p 22; May 11 p 10
 E.J.&E. Working Rules Dispute Settled, Mar 20 p 21
 To Seek Wage Increase and Improved Working Rules, June 15 p 8

Union Railroad Wildcat Strike, Apr 6 p 17; Agrees with Railroad, Apr 13 p 18

Brotherhood of Railway Signalmen: To Cooperate with Management in Establishing Training Programs, Jan 5 p 31

January 1—June 30, 1953

RAILWAY AGE—Index

v

Brown-Boveri Company: British Railways Gas-Turbine Locomotive Tested, Feb 2 p 39*
 Bruning Model 15 Copyflex, June 29 p 36*
 Brush-Cutting Saw, Mar 9 p 102*
 Brush Train; C.N.R., June 1 p 17*
 Brushmaster Saw, Inc., Brush-Cutting Saw, Mar 9 p 102*
 Budd Company:
 Annual Report, Mar 2 p 20
 C.B.&Q., "Kansas City Zephyr" and "American Royal Zephyr," Feb 9 p 77*
 "Clear Iron" Motion Picture, Feb 2 p 16
 RDC Cars:
 Article by N.Y.N.H.&H. Engineer, Feb 2 p 8
 A.T.&S.F. Makes Money with, Jan 19 p 31*
 Coverdale & Colpitts Report on, Mar 23 p 70*
 Developer of New Business, Jan 12 p 185*; May 18 p 138*
 Tested on C.P.R., Feb 16 p 16*; Mar 16 p 20*
 Siesta Coach, May 18 p 8; June 1 p 59*
 Budgetary Control Methods on the D.R.G.W., Apr 6 p 62*
 Budgeting, Sound; J. E. Kusik on, June 15 p 129
 Building Project on Site of Old P.R.R. Broad Street Station Proposed, Feb 9 p 8
 Buildings: (See also such headings as Shops, Stations, etc.)
 Air-Conditioning Installations, A.R.E.A. Report on, Mar 23 p 110
 Crew-Dispatching; Belt Railway of Chicago, Feb 23 p 49*
 N.Y.C. Prefabricated Shop Buildings, Mar 9 p 94*
 S.L.-S.F. Storehouse at Springfield, Mo., Apr 20 p 14*
 Burgess-Manning Improved Doorless Telephone Booth, Apr 20 p 64*
 Business, Corporate Behavior in, June 1 p 55
 Business Leadership, The Pendulum Swings in, Mar 9 p 83
 Byers Wrought-Iron Tie Spacers, Mar 9 p 108*
 Byoir, Carl, & Associates: Pennsylvania Motor Truck Association Antitrust Suit Against the Eastern Railroads, Jan 26 p 17; Feb 2 p 33*; Mar 30 p 14; Apr 20 p 8; June 1 p 8; June 29 p 7

C

Cab, Mercury Tractor, May 4 p 45*
 Cab Signaling Installations in 1952, Jan 12 p 206
 Cahoose Power Supply Unit, 12-Volt d.c.; Federal Telephone & Radio Corp., June 1 p 51*
 Cachet to Mark 50th Anniversary of W.P., Feb 2 p 50
 California Intrastate Rate Adjustment in Line with Ex Parte 175 Increases Denied, Jan 19 p 45
 Camera Fans Encouraged by Railroads as a Means of Increasing Passenger Business, June 29 p 43*

Canada:

Accidents, Grade Crossing, to be Investigated, Feb 2 p 49
 B. of R.T. Wage Case, Jan 26 p 16; Feb 2 p 16; Feb 9 p 18; Feb 23 p 22; May 11 p 10
 Freight Car Loadings, Jan 12 p 13; Jan 19 p 15; Jan 26 p 54; Feb 2 p 15; Feb 9 p 15; Feb 16 p 15; Feb 23 p 19; Mar 2 p 19; Mar 9 p 14; Mar 23 p 15; Mar 30 p 21; Apr 13 p 15; Apr 20 p 18; Apr 27 p 20; May 4 p 15; May 11 p 16; May 18 p 169; May 25 p 11; June 1 p 18; June 8 p 11; June 15 p 17; June 22 p 15; June 29 p 17

Railway Construction in 1952, Jan 12 p 245*
 Railway Developments in 1952, Jan 12 p 233*
 Railways Granted Additional 7% Rate Increase, Jan 26 p 16; Mar 16 p 10; Eight Provinces Seek Cancellation of, May 18 p 14
 Rate Cases, Review of, Jan 12 p 234
 Rate Increases Since 1938 Compared with Those in U.S., Mar 23 p 12
 Rates, Higher, are Pricing Railroads Out of Business, May 11 p 7
 St. Lawrence Seaway, Railways are Reconciled to Construction of, May 11 p 7
 Toronto Subway Nearing Completion, June 1 p 78*
 Canada Steamship Lines Drops Suit Challenging Legality of Rail Rate Reductions, Apr 20 p 16
 Canadian Bronze Company: J. G. Dick on the Case for the Solid Journal Bearing, Jan 5 p 44*
 Canadian Car & Foundry Company: C.P.R. Suburban Coaches, June 15 p 115*
 Canadian Meat, Department of Agriculture Lifts Ban on Importation of, Mar 23 p 14
 Canadian National:
 Booklet on Cost of Running a Railway, June 8 p 12*
 Car, Experimental Refrigerator, Mar 16 p 26
 Car, "Picture Window" Box, for Claim Prevention Work, June 15 p 12
 C.T.C. Installation; Foleyet, Ont.-Hornepayne, Apr 20 p 90*
 Dividend, First, Under New Capital Structure, Paid to Government, Apr 6 p 103*
 Fish Container, New Type of, May 4 p 12*
 Headrest, Plastic, May 18 p 152*
 Lines, New, Under Consideration, Mar 23 p 123
 Locomotives, Diesel, Operating Problems of, Mar 23 p 80*
 Mobile Museum, Apr 20 p 98*
 Pacific Great Eastern Absorption Forecast, Jan 26 p 13
 Spray Trains for Brush and Weeds, June 1 p 17*
 Staff Training Course, May 18 p 8; June 22 p 15*
 Stations, New and Improved, May 18 p 151
 Trailers-on-Flats Service, Jan 12 p 12*
 Training for Passenger Department Employees, June 29 p 9
 Year 1952, Jan 12 p 233*

Canadian Pacific:
 Car, Budd RDC, Tested, Feb 16 p 16*; Mar 16 p 20*
 Cars, Passenger, Ordered, June 29 p 18
 Cars, Suburban, June 15 p 115*

Canadian Pacific:—(Continued)
 Locomotives, Diesel, Operating Problems of, Mar 23 p 80*
 N.S.C. Contest Winner, May 18 p 13
 Steamships, New, Jan 19 p 46*
 Stock to be Increased, Mar 23 p 127
 Train Ferry Ordered, June 22 p 25
 Year 1952, Jan 12 p 234*
 Canadian Pacific Airlines: Tri-Weekly Air Cargo Flights Proposed, Mar 9 p 8
 Canadian Railway Club: The Case for the Solid Journal Bearing, Jan 5 p 44*
 Capacitors, Fansteel Tantalum, Apr 6 p 50*
 Capital Expenditures:
 Estimates for 1953, Jan 12 p 173; Mar 23 p 15; June 15 p 17
 Expansion Goal for Road and Terminal Facilities Increased by O.D.M., May 11 p 23
 Fixed Plant Estimates for 1953, Mar 9 p 80*
 Heavy Expenditures Still Ahead for the Railroads, Apr 6 p 100
 L.C.C. Monthly Figures: September, Jan 26 p 65; October, Mar 23 p 125; November, Apr 27 p 26; December, May 18 p 191; January, June 15 p 152; February, June 29 p 64
 Railroads' Postwar Costs Above Those of the Atomic Energy Program, Mar 23 p 17
 Review of 1952, Jan 12 p 178*
 Years 1943-52, Jan 12 p 7*, p 153; Mar 23 p 15 Capitalization, Changes in, in 1952, Jan 12 p 191
 Car Builders, Do the Railroads Need the, June 22 p 23†
 Car Ferries "Badger" and "Spartan" in Service on C.&O., Apr 6 p 14*
 Car Ferry Ordered by C.P.R., June 22 p 25
 Car Inspection, St.L-S.F. Uses Radio-Loudspeaker System for, Feb 23 p 47*
 Car Leasing Plan for Short Lines, Morrison, June 22 p 13
 Car Miles, Empty Box, Railroads to Cut, May 11 p 9; June 22 p 24
 Car Recognition, Electronic System of, Apr 20 p 8
 Car Retarder Installations in 1952, Jan 12 p 205*
 Car Service:
 Central Western Shippers' Advisory Board Report on, June 29 p 15
 Direct-Route Plan for Returning Empty Box Cars, May 11 p 9; June 22 p 24
 Improving Transit Time; L. K. Silcox on, Mar 23 p 112
 Operations Research in Distributing Empty Cars, Apr 20 p 73*
 Car Service Orders, C.S.D., Apr 27 p 11; May 11 p 9; June 22 p 24
 Car Service Orders, I.C.C., Jan 5 p 53; Feb 9 p 92; Mar 2 p 10; Apr 6 p 14; Apr 13 p 19; May 4 p 15; June 15 p 12; June 29 p 15
 Car Spotting Service Tariff, I.C.C. Proposed Report on Railroad Application of, Apr 13 p 12
 Car Supply:
 Freight:
 CMP Allotments in 1952 and Outlook for 1953, Jan 12 p 229; Second Quarter, Jan 5 p 13; Feb 23 p 19
 Car Service Division Reports on, Feb 2 p 11; Mar 2 p 9; Mar 30 p 11; Apr 27 p 11; June 1 p 17; June 29 p 14
 Deliveries: December and Year 1952, Jan 19 p 47; January, Feb 16 p 18; February, Mar 16 p 26; March, Apr 20 p 100; April, May 18 p 173; May, June 15 p 134
 Deliveries, 1948-52, Jan 12 p 221
 Do the Railroads Need the Car Builders?, June 22 p 23†
 Estimate of Expenditures in 1953, Jan 12 p 180
 Flat, Need for; J. L. McCaffrey on, Jan 19 p 14; Feb 16 p 38
 Government Stockpile Suggested by Col. J. Monroe Johnson, Mar 30 p 6; P. A. Hollar on, June 29 p 50
 Hollar, P. A., on, June 29 p 50
 Installations, 1948-52, Jan 12 p 153
 Number Needed; Col. J. Monroe Johnson on, Mar 30 p 6
 On Order at End of Years 1948-52, Jan 12 p 153
 On Order: January 1, Jan 19 p 47; February 1, Feb 16 p 18; March 1, Mar 16 p 36; April 1, Apr 20 p 100; May 1, May 18 p 173; June 1, June 15 p 134
 Operations Research in Distributing Empty Cars, Apr 20 p 73*
 Orders (A.R.C.I.-A.A.R.): December and Year 1952, Jan 19 p 47; January, Feb 16 p 18; February, Mar 16 p 26; March, Apr 20 p 100; April, May 18 p 173; May, June 15 p 134
 Orders, Factors Affecting the Placing of, Feb 23 p 45†; Mar 16 p 23†; Mar 23 p 63†; June 8 p 17†
 Orders in 1952, Jan 12 p 220*; Correction, Jan 19 p 47
 Orders Needed Now, Says J. K. Knudson, Mar 16 p 23†; June 29 p 16
 Orders (Railway Age): December, Jan 5 p 15; January, Feb 2 p 51; February, Mar 2 p 23; March, Apr 6 p 100; April, May 13 p 17; May, June 8 p 19
 Ownership, 1948-52, Jan 12 p 153; Jan 28 p 53 Production—Can the "Vicious Circle" Be Broken?, Feb 23 p 45†; Mar 16 p 23†; Mar 23 p 63†; June 8 p 17
 Production in 1953, Estimate of, Jan 12 p 180 Production to Approach 9000 Cars a Month, Jan 12 p 12; 10,000 Cars a Month, Apr 13 p 5 Railroad Program for Increasing, Jan 12 p 154

Car Supply:—(Continued)
 Freight:—(Continued)
 Surpluses and Shortages, Jan 19 p 18; Jan 26 p 54; Feb 2 p 48; Feb 9 p 13; Feb 16 p 17; Feb 23 p 59; Mar 9 p 14; Mar 16 p 10; Mar 23 p 15; Mar 30 p 20; Apr 6 p 18; Apr 13 p 18; Apr 20 p 18; Apr 27 p 20; May 4 p 14; May 11 p 15; May 25 p 12
 Tank Car Needs of Army to be Met, Apr. 20 p 15
 Tank Car Order Backlog, Feb 9 p 17
 Tank Car Ownership, Mar 9 p 16
 Passenger:
 D.T.A. "Requirements" Study, Mar 23 p 9 Deliveries, 1935-52, Jan 12 p 187
 Government Stockpile Suggested by Col. J. Monroe Johnson, Mar 30 p 6; P. A. Hollar on, June 29 p 50
 Hollar, P. A., on, June 29 p 50
 Installations, First Six Months of 1952, Jan 12 p 154
 Number Needed; Col. J. Monroe Johnson on, Mar 30 p 6
 On Order, July 1, 1952, Jan 12 p 154; May 1, 1953, May 18 p 136
 Orders in 1952, Jan 12 p 186*
 Orders (Railway Age): December, Jan 5 p 15; February, Mar 2 p 23; April, May 4 p 17; May, June 8 p 19
 Outlook for Revival of Orders, May 18 p 134* Ownership on June 30, 1952, Jan 12 p 154; 1946-52, Jan 26 p 53
 Subway Cars Needed by New York City, May 25 p 21
 Car Trucks (See Trucks, Car)
 Car Washer, Wilson Movable, Used on A.T.&S.F., Jan 19 p 34*
 Carey, Phillip, Company: Sewer Pipe Joint Compound, Mar 9 p 104*
 "Cargotainers" Tested to Speed Handling of Mail and Express on G.N., Mar 9 p 115*
 Carnegie Institute of Technology: Alcoa Professorship in Engineering Established at, Mar 2 p 20
 Carrier Agreements (See Interstate Commerce Act: Section 5a)
 Cars, Freight:
 Auto-Loader, New, Developed by Evans Products Company, Apr 13 p 22*
 Ballast, All-Steel Welded; S.P., Mar 9 p 98*
 Box:
 C.N.R. "Picture Window", for Claim Prevention Work, June 15 p 12
 Dark Green the "New Look" in, June 15 p 145*
 S.L.-S.F. Converts Wood to Steel, Apr 27 p 23*
 Shippers Want More Double-Door Cars, Apr 6 p 100
 Specialty-Type, Drawback to More Extensive Use of, May 4 p 9
 T.P.&W. Cars Painted Dark Green, June 15 p 145*
 Caboose, G.N. Cupola-Type, June 15 p 146*
 Flat, for Handling Trailers:
 Electro-Motive, June 22 p 11*
 Pullman-Standard, June 1 p 19*
 Van-Car, Feb 9 p 12
 Hopper:
 B.&O. Lightweight; 19-Year Service Record, June 15 p 116*
 C.I.&L. Covered, June 15 p 13*
 D.L.&W. 50-Ton, May 25 p 13*
 For Handling Bulk Flour, May 11 p 10; June 15 p 13
 General American Airliner Covered, May 4 p 14*
 Pullman-Standard All-Welded Covered, Mar 9 p 119*
 Livestock, Metal, on the U.P., Mar 2 p 10
 Orders (See Car Supply: Freight)
 Ore:
 B.&E.E. 70-Ton, May 4 p 53*
 Q.N.S.&L. 95-Ton, May 25 p 20*
 Refrigerator:
 C.N.R. "Laboratory" Car, Mar 16 p 26
 I.C. Aluminum, Performance of, Feb 23 p 57*
 Correction, Mar 30 p 14
 Mileage Rates Increased, Feb 9 p 17; Mar 30 p 12
 Orders Calling for Reports on Structure and Insulation Vacated by I.C.C., June 22 p 15
 Refrigerator-Merchandise; N.P., Mar 16 p 11*
 Tank:
 Allied Chemical & Dye Corp., Barrett Division, Feb 23 p 18*
 Compressed Air Degassing System, Mar 23 p 83*
 Two-Tier, for Loading Automobiles; Victorian Railways, Feb 23 p 56*
 Cars, Passenger:
 Baby Cribs, Budd Cars Equipped with, June 1 p 61*
 B.&A. Replaces Branch Line Train with Diesel Rail Car, Mar 23 p 14*
 "Beauty Sleepers" for L.&N., C.&E.I., and N.C. & S.L., Apr 6 p 78*; May 18 p 153*
 Budd RDC (See Budd Company)
 Budd Siesta Coach, May 18 p 8; June 1 p 59*
 C.P.R. Suburban Coaches, June 15 p 115*
 C.&E.I. Rebuilt Lightweight Dining, May 18 p 15*
 C.M.S.P.&P. Super Dome, Program for Publicizing, Feb 23 p 52*
 Chicago Transit Authority to Convert P.C.C. Street Cars Into Rapid Transit Cars, Mar 9 p 16
 Design Lightweight, Mar 23 p 64†; May 18 p 122†, p 129*
 Diesel, Operating Results with, Mar 23 p 70*
 Dome Cars—and How to Use Them, June 15 p 132*
 Long Island Reconstruction Program, Feb 2 p 16
 N.Y.N.H.&H. Tavern-Bar-Coaches, May 18 p 18, p 157*
 Orders (See Car Supply)
 U.P. Lunchcounter, May 18 p 162

GENERAL INDEX—Continued

[Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡]

Cars, Special:
 Fairmont Weed Spray Car, Mar 9 p 108*
 "Picture Window" Box, for Claim Prevention Work;
 C.N.R., June 15 p 12
 Rail-Rack; Q.N.S.&L., Apr 6 p 72*
 Track Sweeper; P.R.R., Jan 5 p 15*
 Cartoons, Mar 23 p 86; June 15 p 11*
 Caterpillar Diesel Engines, First Diesel-Electric Locomotive Built with, Apr 6 p 12*

Centennials:
 Parmelee Transportation Company, May 18 p 132*
 S.A.L. Raleigh-Portsmouth Rail Connection, Apr 20 p 98

Central Arkansas Traffic Club Organized, June 15 p 133

Central of Georgia:
 Children's Book Issued, Mar 30 p 12*
 Employee Magazine 40 Years Old, June 1 p 18
 Joins Federation for Railway Progress, Mar 16 p 7
 McGinnis, P. B., Elected Chairman, Jan 26 p 51*
 Resigns as Chairman, Mar 23 p 129
 Ocean Steamship Company Keeps New York-Savannah Set-Up, June 29 p 13

Central Railroad of New Jersey:
 C. of Pa., to be Operated by, Jan 12 p 12
 18 Trains to be Discontinued, Mar 2 p 10
 Reading Control Approved by I.C.C., Feb 9 p 91

Central Railroad of Pennsylvania to be Operated by C. of N. J., Jan 12 p 12

Central Vermont:
 Diesel School for Shop Men, Mar 30 p 20*
 N.S.C. Contest Winner, May 18 p 13

Central Western Shippers Advisory Board Meeting, June 29 p 15

Centralized Traffic Control:
 Advantages of, Jan 12 p 202*
 C.N.R. Installation; Foley, Ont.-Hornepayne, Apr 20 p 90*
 C.&O.; Chevrolet, O.-Peru, Ind., Feb 16 p 50*
 Installations in 1952, Jan 12 p 204*
 S.A.L. Installation Adapted to 10 Trains; Birmingham, Ala.-Atlanta, Ga., June 29 p 56*

Chain Saw Attachment, Gravely, Mar 9 p 100*

Chair, Easy-to-Clean; Coach Car & Equipment Company, May 18 p 154*

Chamber of Commerce of the United States:
 Nash, Evans A., Honored by, May 11 p 9*
 Regional Transportation Conference Held at Minneapolis, Jan 5 p 40
 Transportation Declaration Adopted, May 11 p 11
 Transportation-Luncheon Session at Annual Meeting, May 4 p 11

Charleston & Western Carolina: Strike Called by B. of L.E., June 15 p 17

Chem Industrial Company: Anti-Rust Phosphate Added to Ice and Snow Melting Chemical, Jan 26 p 33

Chemicals & Materials Distributors Corp.: Vego Electrical Cleaner, May 18 p 114

Chesapeake & Ohio:
 Car Ferries "Badger" and "Spartan", Apr 6 p 14*
 C.T.C. Installation; Chevrolet, O.-Peru, Ind., Feb 16 p 50*
 Magazine Racks Placed in Cars, May 18 p 160*
 N.S.C. Contest Winner, May 18 p 13
 Program for Developing Accounting Officers, Mar 23 p 84*
 To Build Shopping Center at Bay City, Mich., June 15 p 141
 "Train X", G.M.C. to Build Locomotive for, Jan 12 p 13; Status of, May 18 p 130*

Chicago:
 Anderson Plan for Moving Dearborn Street Station Opposed by Railroads, June 29 p 59
 Pressure Placed on South Side Railroads for New Terminal, Apr 20 p 8; June 29 p 59
 Suburban Terminal Under Study, Mar 9 p 8

Chicago & Eastern Illinois:
 Car, Rebuilt Lightweight Dining, May 18 p 15*
 Cars, Sleepers (Beauty Sleepers), Apr 6 p 78*; May 8 p 153*

Florida Vacation Travel, Pattern of, Mar 23 p 9

I.C.C. Veto of Truck-Competitive Rate Upheld by Supreme Court, Jan 19 p 18

Overtures Toward Merger with C.I.&L., Jan 26 p 8

Safety First Calendar, Feb 16 p 14

To Use Hertz Rent-a-Car System, May 18 p 12

"Winchargers" Used at Interlocking at Goodwine, Ill., Apr 20 p 76*

Chicago & North Western:
 Display Advertising Uses Xenon Gas, May 4 p 19*
 Human Relations Course, June 22 p 15
 Locomotives, Diesel, Haul Old Steam Locomotives Away for Scrap, Mar 30 p 24*

Newsliner Honored by A.A.I.E., May 18 p 100

Plastic Dishes Used in Dining Cars, Apr 20 p 84*

Suburban Fare Increase Granted, Jan 26 p 53, Mar 9 p 8

Suburban Terminal Under Study, Mar 9 p 8

Streamliner Birthdays in January, Jan 26 p 52

Train-Stop System; Chicago, Ill.-Wyeville, Wis., Mar 23 p 73*

Transcontinental Sleeper Service, Faster, June 15 p 13

Yarwood, Margaret, Appointed Special Representative, Apr 6 p 95*

Chicago & Western Indiana:
 Anderson Plan for Moving Dearborn Street Station Opposed, June 29 p 59

Human Relations Course, June 22 p 15

Chicago, Aurora & Elgin:
 Seeks to Operate Service in Conjunction with Chicago Transit Authority, June 15 p 12
 Stock Option Plan Denied, Jan 19 p 50

Chicago, Burlington & Quincy:
 "Akbarian Zephyr" Streamlined, May 18 p 152
 "Galloping Ghost" Freight Train Christened by Red Grange, June 15 p 18*
 Kansas City Short-Cut (Centennial Cutoff), Feb 9 p 74*
 "Kansas City Zephyr" and "American Royal Zephyr", Feb 9 p 71* (Advertising and Promotion); p 77* (Description)

Rail-Truck Terminal at Chicago, May 11 p 23

Chicago Great Western:
 Fined for I.C.C. Service Order Violation, Jan 26 p 54
 Operating Unions' Grievance Strike, Feb 2 p 16; Feb 9 p 15; Feb 16 p 17; Mar 9 p 13; Mar 16 p 14

Chicago, Indianapolis & Louisville:
 Barriger, J. W., Travels Over Line to Thank Employees for Cooperation, Feb 9 p 8
 Brown, Warren W., Elected President, Jan 5 p 13; Jan 12 p 246*

Cars, Covered Hopper, June 15 p 13*

Overtures toward Merger with C.E.I., Jan 26 p 8

Station at Monon Dedicated, June 29 p 59*

Trainload of Tractors, May 18 p 11*

Travel Credit System Established, May 18 p 13

Chicago, Milwaukee, St. Paul & Pacific:
 Bensenville Yard to be Enlarged, Mar 16 p 26
 Cars, Super Dome, Program for Publicizing, Feb 23 p 52*

Employee Magazine 40 Years Old, May 18 p 13

Improvement Program, June 15 p 140

Insignia Changed, Mar 23 p 13*

Munition Cars Explode at Lewis, Ind., Apr 6 p 15

"Olympian Hiawatha" Speeded Up, June 15 p 133

School Train Deluxe, Apr 6 p 98

Ticket Office at Seattle, May 25 p 9*

Chicago Motor Truck Tax Upheld by Supreme Court, Mar 2 p 11

Chicago, North Shore & Milwaukee: Suburban Fare Increase Granted, Mar 9 p 8

Chicago, Rock Island & Pacific:
 Attempt to Wreck "Rockets" Investigated, Feb 16 p 15

Barriger, J. W., Named Vice-President, May 25 p 14*

Fined for Elkins Act Violation, Apr 13 p 12

Fined for Violating I.C.C. Service Order, Apr 13 p 12

Jenks, D. B., Named Executive-Operating Vice-President, May 25 p 14*

Rail-Laying Started on Iowa Cut-Off, June 15 p 140

Scholarships for Employees' Sons, June 15 p 133

Supervisors Brought Under Railway Labor Act, June 15 p 17

Chicago, South Shore & South Bend: Swing-Span Bridge Converted Into Fixed Span, Feb 16 p 44*

Chicago Transit Authority to Convert P.C.C. Street Cars into Rapid Transit Cars, Mar 9 p 16

Cincinnati Traffic Club: Officers, Apr 6 p 96

Citrus Belt Traffic Club of Southern California: Officers, Mar 16 p 21

Civil Aeronautics Administration:
 Appropriation for 1953-54, Jan 19 p 17
 Review of Activities in 1952, Jan 5 p 11

Civil Aeronautics Board:
 Cites Goals in Its Current Program, Apr 20 p 17
 Passenger Fare Investigation Dropped, May 25 p 10

Roberts, Carlene, Criticizes, Mar 23 p 14

Subsidy Separation Report, Jan 12 p 163

U.A.L. Tariffs for More Spacious Air-Coach Service Suspended, Mar 2 p 11

Civil Defense (See National Defense)

Claim Payments; First Six Months of 1952, Jan 12 p 14

Claims: (See also Loss and Damage Prevention)
 Federal Agencies Adopt New Procedures for Collecting, Mar 23 p 13

Honeydew Melon Claims, Reduction in, Feb 16 p 14

Increase in, June 1 p 16

Number Down, Cost Up, in 1952, May 4 p 52

Theft Payments, Decrease in, June 15 p 8

Clamp, Mercury Paper Roll, Apr 20 p 53*

Clark Equipment Company:
 "Clarktor-120" Towing Tractor, Apr 6 p 49*
 Drum Handling Attachment, Horizontal, May 18 p 114*

Motion Picture "Safety Saves", Apr 13 p 19*

"Powworker" Pallet Trucks, Feb 2 p 20*

Class Rates:
 Railroads Seek More Time on I.C.C. Circuitry Limitations Order, Apr 27 p 10

Western Roads to Propose Revision Covering Territory West of Rocky Mountains, Mar 16 p 10

Cleaners:
 Malsbury Steam, Apr 6 p 49*

Ohio Tool & Engineering Company Pipe, Apr 6 p 50*

Pennsalt EC-54 High Flash Point Emulsion, Feb 23 p 27

Vego Electrical, May 18 p 114

Clearing-Cleco Traffic Conference; Officers, May 25 p 14

Cleveland Commuter Railway, Economic Analysis of, Apr 6 p 90

Clutch, New, for Briggs & Stratton Gasoline Engines, Mar 9 p 108*

Clyde Engineering Company: Victorian Railways' Diesel Locomotives, Mar. 25 p 75*

Coach Car & Equipment Company: Easy-to-Clean Chair, May 18 p 154*

Coal, Coal-Burning Gas Turbine Will Open New Market for, Mar 23 p 118

Coal Transfer at Ford, Ill.; M.P., Apr 20 p 94*

Coatings:
 Pennsalt NeoCoat and NeoPrime, May 18 p 114

StoneSeal; Water-Repellent for Concrete, Mar 9 p 109

Cocktails for Commuters on N.Y.N.H.&H., May 18 p 18, p 157*

College Men on the Railroads:
 Why Railroads Need More Technically Trained Men, Mar 9 p 92*

Young, Robert R., on, Apr 6 p 89

Collisions (See Accidents)

Colombia: Magdalena Valley Railroad Under Construction, Mar 23 p 140

Color Combination, New, for St.L.S.W. Trains, Feb 16 p 14

Color Recommendations of N.S.C. Adopted by St.L.S.F., Jan 26 p 52

Color Used on G.N. Equipment Selected for Safety Factors, June 22 p 24

Colorado Intrastate Rates, I.C.C. Report on, Feb 23 p 60

Combustion Engineering, Inc., New Name of Combustion Engineering-Superheater, Inc., Apr 27 p 22

Commercial Control Corporation: Model FIM Flexowriter, June 12 p 36*

Common Carriers Silent Under Discriminatory Treatment, Feb 16 p 37*

Communication Systems: (See also Loudspeaker Systems; Radio; Train Communication; Yard Communication)
 A.T.&T. Freight Station at San Francisco, Jan 26 p 45*

Bill to Give I.C.C. Authority Over, Feb 2 p 17; Apr 20 p 12; May 4 p 49*

Installations in 1952, Jan 12 p 214*

I.B.M.'s "Wireless" Paging System, May 18 p 164*

L.V. Centralized Checking System at Manchester Transfer Station, Mar 2 p 20; Apr 6 p 50*

Snow Plow-to-Locomotive Telephone Service on S.P., Mar 9 p 12*

Communication Fares (See Passenger Fares)

Communication Service (See Passenger Service; Suburban Service)

Compactor Bases, Jackson, Mar 9 p 107*

Competition:
 Arpala, Anthony F., on, June 1 p 85*

Common Carriers Silent Under Discriminatory Treatment, Feb 16 p 37*

Percentage of Trucks Considered Railroads' Competitors, Feb 9 p 70

Plight of Small Lots Shows Need for De-Regulation, May 4 p 11; June 1 p 58*

Ruining the Big Cities, Mar 16 p 19*

Uniform Rate Structure Incompatible with Competitive System, Says A. H. Schwietert, Jan 26 p 16

Competitive Situation in 1952, Jan 12 p 162

Competitive Spirit, Railroads Lack; Says J. R. Staley, Apr 6 p 13

Compressed Air Used to Degas Tank Cars, Mar 23 p 83*

Concrete Deterioration Prevention, A.R.E.A. Report on, Mar 23 p 110

Concrete, StoneSeal Water-Repellant for, Mar 9 p 109

Conductors, P.R.R. Training Course for, Apr 13 p 11*

May 18 p 161*

Congress:
 Bills Introduced in, Feb 2 p 17; Feb 23 p 60; Mar 9 p 11; Mar 30 p 21; Apr 6 p 18; June 8 p 11

T.A.A. Policy Report Submitted to, Mar 23 p 114

Connecticut Telephone & Electric Corp.: Wall-Desk Telephone, Feb 2 p 29*

Connecticut, Ton-Mile Tax on Heavy Motor Trucks Proposed in, Feb 16 p 8

Consolidated Railroads of Cuba: Recapitalization Plan, Jan 5 p 17; Mar 2 p 22; June 29 p 60

Consolidation of C. of Pa. with C of N. J., Jan 12 p 12

Construction New: (See also New Facilities at End of Index)

A.T.&T. Freight Station at San Francisco, Jan 26 p 42*

A.C.L. Warehouse Program at Atlanta, May 4 p 68*

Belt Railway of Chicago Crew-Dispatching Building, Feb 23 p 49*

C.B.&Q. Kansas City Short-Cut (Centennial Cutoff), Feb 9 p 74*

C.R.I.&P. Starts Rail-Laying on Iowa Cut-Off, June 15 p 140

C.S.S.&S.R. Swing-Span Bridge Converted into Fixed Span, Feb 16 p 44*

D.S.S.&A. Adds Diesel Shop to Enginehouse at Marquette, Jan 19 p 40*

L.N. Tunnel Underpass at Cawood, Ky., June 15 p 120*

M.P. Coal Transfer at Ford, Ill., Apr 20 p 94*

P.R.R.-N.Y.S.&W. Connection in Jersey City, Jan 19 p 16

P.R.R. Station Changes at Camden, N. J., Feb 16 p 47*

Q.N.S.&L. Develops Fast Way of Laying Track, Apr 6 p 72*

S.P. Jennings Yard at Roseville, Cal., Jan 5 p 48*

T.&N.O. Line Change Between Devil's River, Tex., and Bullis, Apr 6 p 82*

T.&N.O. Yard at Houston, Mar 9 p 18; June 1 p 72*, June 29 p 60*

Toronto Subway Nearing Completion, June 1 p 78*

U.P. Completes Line Change Over Sherman Hill, Wyo., Mar 9 p 13*; June 29 p 46*

Year 1952, Jan 12 p 240*

Consumers Price Index, B.L.S., to Resume Compilation of "Old Series", Mar 9 p 15

Contactors, Cutler-Hammer Magnetic, May 4 p 46*

January 1—June 30, 1953

RAILWAY AGE—Index

vii

Container Research and Development Seminars, A.A.R., Mar 30 p 9, p 10*

Containers:

- Equipment and Methods for Reducing Head-End Losses, May 18 p 142*
- Fish, New Type of; C.N.R., May 4 p 12*
- G.N. Tests "Cargotainers" to Speed Handling of Mail and Express, Mar 9 p 115*
- Contract Forms, A.R.E.A. Report on, Mar 23 p 112
- Conventions, An Idea for, May 25 p 10
- Conveyor Belt Systems:

 - A.R.E.A. Report on, Mar 23 p 112
 - Committee for Belt Conveyor Legislation Set Up in Ohio, Feb 2 p 8; Legislation Withheld, June 22 p 11
 - Equipment and Methods for Reducing Head-End Losses, May 18 p 142*
 - Goodrich, B. F., Company Proposal, Mar 2 p 11*
 - New York Subways; "Mock-Up" Tested, Apr 27 p 6
 - Towveyor System Used in A.T.&S.F. Freight Station at San Francisco, Jan 26 p 44*
 - U.P., for Mail Handling at Council Bluffs, June 15 p 109*

- Conveyor Supports, Standard Portable, June 15 p 91*
- Cooperation Between Departments:

 - Breaking Down Department-Mindedness in Passenger Service, May 18 p 121†
 - S.P. Engineering and Operating Departments Hold Meeting, May 25 p 13

- Cooperation Between Management and Labor Unions in Establishing Training Programs, Jan 5 p 31
- Cooperative Relations with Universities, A.R.E.A. Report on, Mar 23 p 112
- Coordinated Rail-Highway Service:

 - "Time to Stop Bickering", May 25 p 12
 - Trailers-on-Flats Service (See Trailers-on-Flats Service)

- Coordination in Government Transport Activities, J. G. Scott Deplores Lack of, Jan 5 p 12
- Coordination of Transportation Facilities:

 - Arpaia, Anthony F., on, June 1 p 85*
 - Why Transportation is "Compartmentalized", Apr 20 p 70†

- Copystyle Model 15: Speed Increased, June 29 p 36*
- Copying Machine, Bruning Model 15, June 29 p 36*
- Corporate Behavior, June 1 p 55
- Correspondence Course in Traffic Fundamentals to be Given by U.P., Mar 30 p 20; by N.P., May 18 p 15 and June 22 p 15
- Corrosion, Reading "Crusader" Checked for, June 22 p 17*
- Corrosion-Resistant Coatings, Pennsalt, May 18 p 114
- Cost Control Methods on the D.R.R.G.W., Apr 6 p 62*
- Costs:

 - Freight Station, I.C.C. Study of, Mar 2 p 19
 - Operating Costs of Diesel Rail Cars, Mar 23 p 70*
 - Public Transportation, (Rail and Bus) Effect of Federal Income Tax on, Apr 6 p 90
 - Rail, Continuous Welded and Jointed, Comparison of, Mar 23 p 108
 - Standby, in Car Acquisition, Mar 23 p 63†

- Coupler Manufacturers, Antitrust Complaint Filed Against, June 1 p 12
- Court Decisions: (See Legal Decisions; United States Supreme Court Decisions)
- Coverdale & Colpitts: Study of Operating Expenses of Budd RDC Rail Cars, May 23 p 70*
- Cranes:

 - Lorain Model 820-K8 Crawler, Mar 9 p 103*
 - Lorain Model MC-524 Moto-Crane, Jan 26 p 33*
 - Lorain Model SP-524 Self-Propelled, Jan 26 p 33
 - Lorain Model TL-10 Truck, Mar 9 p 101*
 - N.Y.N.H.&H. Converts Wrecking Crane to Diesel, June 22 p 31*
 - Schield Bantam Truck-Mounted Shovel, Mar 9 p 107*

- Credit, Improving the Railroads', Apr 20 p 60†
- Crew-Dispatching Building; Belt Railway of Chicago, Feb 23 p 40*
- Crimper, AMP Solderless Terminal, Feb 16 p 33*
- Crossings, Highway Grade:

 - Accidents (See Accidents)
 - A.R.E.A. Report on, Mar 23 p 109
 - Protection Installations in 1952, Jan 12 p 206

- Cross-ties (See Ties)
- Crow's Nest, Schramm Skyworker, Mar 9 p 102*
- Cuba: First Locomotive on Exhibition, Apr 20 p 100*
- Current Publications, Jan 5 p 26; Jan 19 p 50; Jan 26 p 65; Feb 2 p 55; Feb 16 p 70; Mar 9 p 143; Mar 23 p 143; Apr 6 p 113; Apr 20 p 44; May 4 p 40; May 18 p 94; June 1 p 48; June 15 p 85; June 29 p 68
- "Curveliner" in Use on L.N.E., May 18 p 160*
- "Customer Angle", Railway Age to Continue to Report the, Jan 5 p 33†
- Cutler-Hammer Starters, Contactors and Relays, May 4 p 46*

D

Davenport Besler Corp.: Diesel Locomotive for Royal State Railways of Thailand, May 4 p 18*

Debt Adjustment Plans:

- B.&M. Plan, Apr 27 p 26; May 11 p 23
- I.C.C. Proposes Amendments to Mahaffie Act, Feb 9 p 87
- Missouri-Kansas-Texas, Jan 12 p 18; May 4 p 17
- Missouri Pacific Reorganization Under Mahaffie Act Rather Than Section 77 of the Bankruptcy Act Proposed, Feb 9 p 90; Mar 9 p 138; Petition Denied, June 1 p 88; June 22 p 34
- Western Maryland, Apr 6 p 8

Decking Car, Vertical-Grain, May 4 p 45*

Defense Production Administration:

- Certificates Granted for Amortization of Defense Facilities, Feb 23 p 22
- Certificates Granted for Amortization of Defense Facilities, Review of, Jan 12 p 156; Feb 2 p 50

Defense Production Administration:—(Continued)

- Functions Transferred to Office of Defense Mobilization, Feb 16 p 13
- Railroads' CMP Allotments in 1952 and Outlook for 1953, Jan 12 p 220; Second Quarter Allotments, Jan 5 p 13; Feb 23 p 19
- Defense Transport Administration:

 - Activities Reported to House Committee on Interstate and Foreign Commerce, Mar 16 p 12
 - Amortization Certificate Recommendations, Review of, Feb 2 p 50
 - Appropriation for 1953-54, Jan 19 p 17
 - Census of Motor Truck Ownership in 1950, Jan 13 General Order DTA-2 Suspended, Mar 16 p 12
 - Passenger "Requirements Study", Mar 23 p 9
 - Review of Operations in 1952, Jan 12 p 160
 - Staff Changes, Jan 5 p 14; Jan 19 p 16; Feb 9 p 17; May 25 p 13
 - Staff to be Cut, Feb 23 p 59; Mar 16 p 12
 - Study of Transportation of Fresh Vegetables, Jan 19 p 46
 - Tank Car Order Backlog, Feb 9 p 17
 - Tank Car Ownership, Mar 9 p 16

- Deferred Maintenance Study Issued by I.C.C., Mar 30 p 10
- Degassing of Tank Cars with Compressed Air, Mar 23 p 83*
- Delaware, Lackawanna & Western:

 - Boonton Branch Fares Increased, June 29 p 9
 - Car, 50-Ton Hopper, May 25 p 13*
 - Labor-Management Meeting to Discuss Annual Report, Apr 6 p 93
 - Lauding Iron-back Journal Bearing, Hot Box Research Results in the, Mar 23 p 65*
 - O.R.T. Calls Off Strike, June 15 p 134
 - Wood, C. E., Traveling Chef, Retires, Feb 16 p 14*

- Delaware River Port Authority: Staff Appointments, Apr 27 p 14
- Delta Nu Alpha Award Given to A. S. Genet, June 8 p 20*
- Denver & Rio Grande Western:

 - Budgetary and Cost Control Methods, Apr 6 p 62*
 - Improvement Program, Jan 5 p 15
 - Ogden Gateway Case, I.C.C. Decision in, Feb 2 p 12
 - Personnel Training, New Approach to, June 8 p 7
 - Pool of Diesel Locomotives Explored, May 18 p 8
 - Rail Problems in Moffat Tunnel, Mar 23 p 106

- Derailed (See Accidents)
- Deregulation (See Transportation Policy)
- Detroit, Toledo & Ironton: D. E. Smucker Succeeds S. P. Ruddiman as President, Jan 5 p 52*
- Diesel Fueling Facilities, A.R.E.A. Report on, Mar 23 p 111
- Diesel School for Shop Men on C.V., Mar 30 p 20*
- Dieselization of Railroads:

 - Ann Arbor Dieselization Completed, Mar 2 p 9
 - K.C.S. Dieselization Completed, Apr 6 p 8
 - L.A.A. Dieselization Completed, Apr 6 p 8
 - Midland Valley Dieselization Completed, Mar 30 p 11
 - Mississippi Central Swings to Diesels, May 18 p 18; Correction, June 15 p 15*
 - N.C.&St.L. Dieselization Completed, Mar 2 p 9
 - N.Y.C. Program, Status of, Apr 20 p 100
 - Number of Roads Completely Dieselized, Mar 2 p 9; Mar 30 p 11
 - P.R.R., Status of, June 8 p 19
 - St.L.-S.F. Dieselization Completed, Mar 2 p 9
 - Southern Dieselization Completed, Jan 26 p 8; June 29 p 7
 - T.K.P. Dieselization Completed, Mar 30 p 11
 - Wabash Dieselization Almost Complete, Jan 26 p 8

- Dieselization of Wrecking Crane; N.Y.N.H.&H., June 22 p 31*
- Dining Car Revenues and Expenses in 1952, June 15 p 17
- Dining Car Service:

 - Erie Wins Sanitation Citation, June 15 p 12*
 - I.C. "Demi-Dimmers" for Economy, May 18 p 157*
 - Losses Incurred in: J. P. Kiley on, Feb 23 p 8 Low-Cost, on N.Y.C. "Empire State Express", May 11 p 10
 - P.R.R. Offers Low-Calory Meals, May 18 p 152
 - Plastic Dishes, A Place for, Apr 20 p 84*

- Dishes, Plastic, A Place for, Apr 20 p 84*
- Ditcher, Barber-Greene "Runabout", Mar 9 p 105*
- Ditching and Widening Program on the I.C., Jan 19 p 36*
- Diversion Board, Self-Correcting, for Handling Waybills; S.P., Feb 2 p 43*
- Dividend Changes and Payments in 1952, Jan 12 p 189, p 191
- Dividend Payments Reflect Financing Policies, Says I.C.C., June 15 p 141
- Dixie Cups Carry Safety Messages, May 18 p 152*
- Dome Unloading Device for Tank Cars, Nichols, Mar 9 p 103*
- Door Control, Dor-O-Matic, May 4 p 46*
- Dor-O-Matic Control, May 4 p 46*
- Down Corning Corporation: Tenth Anniversary, June 1 p 15*
- Dressed-Beef Damage, A.A.R. Tests to Determine Cause of, May 4 p 58*
- Drill, Nordberg Tie, Mar 9 p 110*
- Drill, Syntron Model 26-RO Hammer, Mar 9 p 90*
- Drinking Fountains, Senior and Junior, May 18 p 160*
- Drinking Water Tank, Portable; United States Envelope Company, Mar 9 p 106*
- Drum Handling Attachment, Clark Horizontal, May 18 p 114*
- Duluth, Missabe & Iron Range; N.S.C. Contest Winner, May 18 p 13
- Duluth, South Shore & Atlantic:

 - Diesel Shop Added to Enginehouse at Marquette, Jan 19 p 40*
 - Insignia Changed, Mar 23 p 13*

- Dulux Direct-to-Metal Freight Car Paint, Jan 19 p 25
- Pont Freight Car Paint, Jan 19 p 25
- Du Pont Mylar; New Plastic Film, Apr 6 p 8
- Dynamotive Lift Truck with Electric Transmission, June 15 p 92*

E

Earnings of Some 70 Major Industries, National City Bank of New York Compilation of, Apr 20 p 69†

Earnings (See also Net Income; Net Railway Operating Income; Revenues)

Earth-Moving Equipment:

- Barber-Greene "Runabout" Ditcher, Mar 9 p 105*
- Gar Wood Foundation Borer, Feb 2 p 20*
- I.C. Uses "Long-Stick" Crawler Shovels, Jan 19 p 36*
- Warner & Swasey Improved Gradaill, Mar 9 p 103*

Eastern Car Foreman's Association:

- Officers, Feb 23 p 23
- What Are the Causes of Hot Boxes?, May 4 p 54

Eastern Highway Transport Conference Proposed, May 4 p 7

Eastern Motor Freight Conference of Hartford, Conn.: Rate Procedures Agreement Effective, Jan 19 p 15

Eastern Railroad Presidents' Conference:

- Fitzgerald, J. M., Retirement of, Jan 19 p 8*, p 51
- Pennsylvania Motor Truck Association Files Antitrust Suit Against, Jan 26 p 17; Feb 2 p 33†; Mar 30 p 14; Apr 20 p 8; June 1 p 8; June 20 p 7
- Staff Appointments, May 11 p 26; June 8 p 24; June 15 p 146*

Eastern Railroads Extend Group Economy and Family Fares, June 15 p 14

Eastern Railroads, Pennsylvania Motor Truck Association Files Antitrust Suit Against, Jan 26 p 17; Feb 2 p 33†; Mar 30 p 14; Apr 20 p 8; June 1 p 8; June 20 p 7

Economic Services, Payment for, Feb 23 p 43

Economic Stabilization Agency: Wage Stabilization Board and Railroad and Air Line Wage Board Abolished, Feb 16 p 13

Economics of Railway Labor, A.R.E.A. Report on, Mar 23 p 104, p 109

Economoweld Steel Pallet, Jan 26 p 33*

Edison, Thomas A., Inc., Expanding Because of Railroad Demand for Batteries, June 22 p 30

Education—What for, and Where Begin?, Apr 13 p 17†

Educational Programs (See Training of Employees)

Electric Circuits; G.E. Control Device for Transferring to an Emergency Power Source, Jan 5 p 29*

Electric Storage Battery Company: T-H Exide Ironelad Battery, June 15 p 91

Electric Tamper & Equipment Company: M-22 Portable Power Plant, June 15 p 91*

Electrical Cleaner, Vego, May 18 p 114

Electrical Developments in 1952, Jan 12 p 208*

Electrification:

- Austria, Progress in, Mar 23 p 140
- Belgium Maps Program for, Jan 26 p 47*
- Norwegian State Railways, New Plan for, Mar 23 p 142

Electrodes, Preformed Spectroscopic; National Carbon Company, May 18 p 114*

Electronic System of Car Recognition, Apr 20 p 8

Electronics Forum Held by Railway Systems & Procedures Association, Mar 23 p 118; Mar 30 p 22; May 4 p 71*

Electroplating Power Supply, May 18 p 113*

Elgin, Joliet & Eastern: Working Rules Dispute Settled, Mar 30 p 21

Elkins Act Violations, Roads Fined for, Apr 13 p 12; May 18 p 12

Emergency Board Procedures, N.M.B. Seeks to "Re-vitalize", Feb 9 p 12; Mar 16 p 12

Employee Magazines:

- C. of Ga. Magazine 40 Years Old, June 1 p 18
- C.&N.W. Newsline Honored by A.A.I.E., May 18 p 169
- Milwaukee Magazine 40 Years Old, May 18 p 13

Employee Representation Elections, May 18 p 16

Employees:

- Accident Fatalities in 1952 Lowest on Record, Feb 23 p 19
- Accident Frequency Rate on Railroads Compared with Other Industries, Apr 20 p 17
- Human Relations (See Human Relations)
- Number of:
- Monthly: December, Feb 23 p 22; January, Mar 16 p 9; February, Apr 13 p 11; March, May 18 p 18
- Years 1940-52, Jan 12 p 149
- Officers' "Job Protection" Rights, Court to Determine, June 8 p 5
- Rule G, Difficulty of Enforcing, Jan 19 p 27; Jan 26 p 35; Feb 9 p 67
- Training of (See Training of Employees)
- Union Shop (See Union Shop)
- Wage Cases:
- Canadian B. of R.T. Case, Jan 26 p 16; Feb 2 p 16; Feb 9 p 18; Feb 23 p 22; May 11 p 10
- Year 1952, Review of, Jan 12 p 150, p 210
- Wages: (See also Salaries)
- B. of R.T. to Seek Increase, June 15 p 8
- Comparison by Industry of Wage-Revenue Ratio, Jan 19 p 7
- Compensation, 1940-52, Jan 12 p 149; 1939-52 Jan 26 p 11
- Escalator Clauses Call for Three-Cent Decrease, Apr 13 p 18; Correction, May 4 p 13
- Escalator Wage Adjustments in 1952, Jan 12 p 150
- Gross Ton-Miles Per Employee Hour and Per Dollar of Wages, Apr 20 p 13
- "Illusion of 'Productivity'", Apr 6 p 57†

GENERAL INDEX—Continued

[Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡]

Employees:—(Continued)

Wages: (Continued)

"Improvement-Factor" Increases Studied, Jan 5 p 11; Hearings on, Jan 19 p 11, p 30†; Jan 26 p 13; Feb 2 p 11; W. S. Franklin on, Feb 9 p 15; Feb 9 p 69†; Increases Granted, Mar 23 p 9, p 11; Apr 6 p 17

Increases Compared with Increases in Prices and Rates Since 1950, May 25 p 9

Working Rules (See Working Rules)

Employment: Motor Carrier Manpower Problem, May 11 p 5

Engineering Graduates, Need for, Mar 9 p 92*

Engines, Gasoline:

Briggs & Stratton Installs New Clutch on, Mar 9 p 108*

Wisconsin Model VG4D, Mar 9 p 102*

Equipment Trust Issues Sold in 1952, Jan 12 p 189

Erie:

Dining Cars Win Sanitation Citation, June 15 p 12*

Employee Representation Election Uncertified by N.M.B., May 18 p 16

Scholarships Offered by, Feb 2 p 49

Service Conference Held for Conductors, Collectors and Trainmen, May 18 p 157

Survey of Freighthouse Operations, Feb 2 p 8

Traffic Analysis Helps to Secure Authority to Reduce Money-Losing Trains, June 1 p 68*

Train Identification System, Jan 19 p 38*

Erlennmeyer Association; N.Y.N.H.&H. Tavern-Car-Coachess, May 18 p 18, p 157*

Essay Contest, General Motors "Better Highways", June 29 p 17

Essay Contest, Roy V. Wright; Fifth Contest Announced, Feb 9 p 17; Winners of Fourth Contest, Mar 9 p 12; Mar 16 p 20

Evans Products Company: New Auto-Loader Developed, Apr 13 p 22*

Europe, Freedom Train Touring, May 11 p 13*

Exhibits:

Bridge and Building Supply Association and Track Supply Association Joint Exhibit, Jan 19 p 47

C.N.R. Mobile Museum, Apr 20 p 98*

Welding Exposition to be Held in June, Mar 2 p 19

Explosion-Proof Motors, Jan 5 p 29*

Explosives, Motor Truck Transportation of, I.C.C. Proposed Report on, May 4 p 12

Express Contract, M.P. Seeks Advice of I.C.C. on Renewal of, Mar 2 p 9; Apr 13 p 19; June 8 p 10

Express Handling, G.N. Tests "Cargotainers" for, Mar 9 p 115*

Express Rates, R.E.A. Seeks Increase in, Feb 9 p 15; May 18 p 149*

Express Stations in Southwest, 176, I.C.C. Report on R.E.A.'s Proposal to Close, Mar 30 p 13

F

Fairbanks, Morse & Co.:

Cincinnati Branch Awarded Morse Trophy for Sales Performance, Mar 23 p 16*

"Trainmaster" Locomotive Exhibited in Chicago and at Atlantic City, June 1 p 13*

Fairmont W66 Series B Weed Spray Car, Mar 9 p 106*

Fairmont W70 Series A Weed Spray Tank, Mar 9 p 104*

Fairmont W87 Series A Tie Bed Scarifier, Mar 9 p 106*

Fansteel Tantalum Capacitors, Apr 6 p 50*

Fares (See Passenger Fares)

Farm-to-Market Roads, Railroads Support Program for Improvement of, Apr 13 p 20; Apr 27 p 14

Federal Agencies Adopt New Procedures for Collecting Claims, Mar 23 p 13

Federal Bureau of Investigation (See United States Department of Justice)

Federal Motor Transport Commission Proposed by the Trucking Industry National Defense Committee, Mar 2 p 11

Federal Telephone & Radio Corp.:

B&A. Train Radio Installation, Mar 9 p 18*; June 1 p 70*

12-Volt d.c. Caboose Power Supply Unit, June 1 p 51*

Federal Transportation Regulating Agencies, One or Several, May 11 p 21†

Federal Transportation Regulatory Authority; Carlene Roberts of American Airlines on, Mar 23 p 14; May A. Naylor on, Apr 20 p 12

Federation for Railway Progress:

Annual Awards, Mar 2 p 10; Mar 16 p 23*; Mar 30 p 21; Apr 6 p 88*

Annual Dinner, Mar 23 p 118; Mar 30 p 21; Apr 6 p 88*

C. of Ga. Joins, Mar 16 p 7

Fellowships Established, Mar 23 p 16

New Officers, Apr 20 p 18; Apr 27 p 14*; May 11 p 15*; May 18 p 18*

Year-End Statement on Railroad Industry, Jan 5 p 13

Fellowships Established by F.R.P., Mar 23 p 16

Filing System, "Word-Subject"; St.L.-S.F., Mar 23 p 78*

Film, Plastic; DuPont Mylar, Apr 6 p 8

Films (See Motion Pictures)

Filter, Air-Maze Oil Bath, for Diesel Locomotives, June 29 p 35*

Financing:

A.T.&S.F. Bond Retirement Fund, May 11 p 23

C.P.R. to Increase Capital Stock, Mar 23 p 127

Consolidated Railroads of Cuba Recapitalization Plan, Jan 5 p 17; Mar 2 p 22; June 29 p 60

Financing:—(Continued)

Debt Adjustment Plans (See Debt Adjustment Plans) Hill, D. A., on Providing More Information for Large Investors, Apr 20 p 69†

Stock Option Plans (See Stock Option Plans) Stock Split Proposals (See Stock Split Proposals) Year 1952, Jan 12 p 188*

Fire Prevention Rules, A.A.R. Booklet on, Mar 23 p 114

First Train Identification System Installed on Erie, Jan 19 p 38*

Fish Container, New Type of; C.N.R., May 4 p 12*

Fixed Properties:

Capital Expenditure Estimates for 1953, Mar 9 p 80*

O.D.M. Increases Expansion Goal for, May 11 p 23

Flexowriter, Model FTM, June 29 p 36*

Floor Finish, GripSheen, June 29 p 36

Flooring, Car, Vertical-Grain (Lamidek), May 4 p 45*

Florida East Coast: Reorganization Proceedings, Jan 26 p 58; Mar 30 p 26; May 11 p 13

Flour, Bulk, General Mills to Use Modified Hopper Cars for, May 11 p 10; Omar, Incorporated, to Use, June 15 p 13

Flexible Combination Mail and Passenger Bus, Mar 2 p 9*

Foreign Railway Technicians Visit U. S. Plants, and Railroads, Jan 12 p 13*; Mar 2 p 12*

Foreign Transportation Institution, Sixth, May 4 p 13

Foundation Borer, Gar Wood, Feb 2 p 29*

Fountains, Senior and Junior Drinking, May 18 p 160*

Fourth Section (See Long-and-Short-Haul Clause)

Franklin Railway Supply Company Joins with Bower Roller Bearing Company to Produce Freight Car Enterprise Bearings, Feb 16 p 18

Free Transportation (See Passes)

Freedom Train Touring Western Europe, May 11 p 13*

Freelands Foundation Award Given to W.M., Mar 2 p 7

Freight Car Loading:

Average Load, 1942-52, Jan 12 p 156; Year 1952, May 18 p 8

Shippers' Estimates Compared with Actual Loadings in Third Quarter of 1952, Mar 2 p 19; Fourth Quarter, June 15 p 14

Shippers' Estimates for First Quarter, Jan 5 p 11; Second Quarter, Apr 6 p 12

Weekly Reports, Jan 12 p 13; Jan 19 p 15; Jan 26 p 53; Feb 2 p 15; Feb 9 p 15; Feb 16 p 15; Feb 23 p 10; Mar 2 p 19; Mar 9 p 14; Mar 16 p 9; Mar 23 p 15; Mar 30 p 20; Apr 6 p 18; Apr 13 p 10; Apr 20 p 17; Apr 27 p 20; May 4 p 15; May 11 p 15; May 18 p 100; May 25 p 11; June 1 p 18; June 8 p 11; June 15 p 17; June 22 p 15; June 29 p 17

Year 1952, Jan 12 p 13; Years 1942-52, Jan 12 p 146

Freight Car Performance:

I.C. Aluminum Refrigerator Car, Feb 23 p 57*

Mar 30 p 14

Years 1942-52, Jan 12 p 155

Freight Car Surpluses and Shortages, Jan 19 p 18; Jan 26 p 54; Feb 2 p 48; Feb 9 p 13; Feb 16 p 17; Feb 23 p 50; Mar 9 p 14; Mar 16 p 10; Mar 23 p 15; Mar 30 p 20; Apr 6 p 18; Apr 13 p 18; Apr 20 p 18; Apr 27 p 20; May 4 p 14; May 11 p 15; May 18 p 100; May 25 p 11; June 1 p 18; June 8 p 11; June 15 p 17; June 22 p 15; June 29 p 17

Freight Commodity Classification, A.A.R. to Issue New Edition of, May 25 p 13

Freight Commodity Statistics for Motor Carriers, Difficulty of Analyzing, June 15 p 123

Freight Forwarders Institute: New Officers, Apr 27 p 20

Freight Handling:

D.T.A. Study of Fresh Vegetables, Jan 19 p 46

Perfect Shipping Campaign, Mar 30 p 9*; Apr 6 p 13, p 61*; Apr 27 p 6

Unusual Shipments, Mar 9 p 15*; Apr 27 p 20*; May 4 p 16*

Freight Operating Statistics: October, Feb 2 p 58; November, Feb 16 p 68; December, May 4 p 96

Freight Rates (See Rates, Freight)

Freight Service: (See also L.C.L. Service)

Balance Between Tonnage and Train Frequency, Superintendents' Report on, June 15 p 130

"My Chief Gripe About"; J. R. Staley on, Apr 6 p 13

Pacific Coast Time Cut, Mar 30 p 11

Perishable Service, Fast, to Chicago; A.T.&S.F., Apr 20 p 15; June 15 p 11; June 22 p 25*; U.P., May 11 p 10

Shippers Tell Superintendents What They Expect, June 15 p 127*

TV Yard Installations Might Lead to Better Service, Jan 26 p 50†

Train Identification System Application to, Mar 23 p 76*

Freight Service Bureau Organized by M.St.P.&S.S.M., Apr 6 p 65*

Freight Station Agents, Annual Meeting of, June 15 p 114*

Freight Stations (See Stations, Freight)

Freight Tariff Simplification: (See also Railroads' Tariff Research Group)

Progress Being Made in, Jan 12 p 194*; Apr 6 p 15 Proposals for Disposition of Carload Rate Adjustments, May 18 p 14

Railroads to Seek Alterations in Circuity Limitations in Fourth-Section Cases, Mar 30 p 6

Freight Traffic: (See also L.C.L. Traffic)

Air Freight, Outlook for, Mar 9 p 8

Distribution of the Revenue Contribution Between Interstate and Intrastate Traffic, Feb 23 p 16

Effect of Atomic Power on, June 15 p 14

More and Better Information for Railroad Men, Jan 5 p 33†

Ore Movement on Great Lakes Off to Early Start, May 11 p 7

Rail and Truck Traffic in 1952, June 15 p 8

29% Increased Predicted by 1961, Jan 19 p 46

Freight Traffic Correspondence Courses; U.P., Mar 30 p 20; N.P., May 18 p 15 and June 22 p 15

Freight Traffic Statistics Needed for Effective Sales Direction, Mar 9 p 134*

Freight Traffic Textbook Needed, May 4 p 47

Freight Train Operation: Controlling Speed of Long Trains, Jan 26 p 48*

Freight Train Performance:

Effect of A.T.&S.F. Dieselization Program on, Mar 30 p 11*

Ways of Improving; L. K. Silcox on, Mar 23 p 112

Years 1942-52, Jan 12 p 155

Freight Transportation Tax Repeal Advocated, Apr 6 p 18, p 58†

Freighhouses (See Stations, Freight)

French National Railroads: "Mistral" Running Time Reduced, Feb 2 p 49*

Fuller Airslide for Covered Hopper Car, May 4 p 14*

Future of the Railways:

Aydelott, J. H., Mar 23 p 96

F.R.P. Year-End Statement Discusses, Jan 5 p 13

Grotz, W. Arthur, on, Apr 6 p 14; Apr 20 p 70†

How Right is the Ticker Tape?, Jan 12 p 141†

Outlook for 1953; J. H. Parmelee on, Jan 12 p 164

Prospects for 1953, Jan 12 p 8

G

Gage Rods Used on Q.N.S.&L., Apr 6 p 72*

Gar Wood Foundation Borer, Feb 2 p 29*

Gas-Turbine Locomotives (See Locomotives)

Gasoline Engines (See Engines, Gasoline)

General American Transportation Corporation:

Car, Airslide Covered Hopper, May 4 p 14*

"Kaniger" Nickel-Plating Process, Mar 23 p 120

Meladure Plastic Dishes, Apr 20 p 84*

General Eastern Passenger Agents Association of New York: Officers, Feb 16 p 18

General Electric Company:

A.R.A.M. Advertising Awards Competition Won by, Feb 2 p 8; Feb 9 p 14*

Cog Wheels at Erie, Pa., Shop, Apr 27 p 10*

Electroplating Power Supply, May 18 p 113*

First Carload of Appliances Shipped from Appliance Park at Louisville, Feb 16 p 13*

Locomotive, 1600-Hp. Diesel "World", June 22 p 12*

Motor, Type KRX High-Slip Induction, Jan 19 p 25*

N.Y.N.H.&H. Rectified Type Locomotives, Jan 5 p 12*

12*; June 22 p 16*

Niagara Junction Electric Locomotives, Mar 30 p 15*

Power Plants for Ambulance Cars, June 1 p 51*

Throwover Panel, Automatic, Jan 5 p 29*

U.P. Gas Turbine Locomotives, Performance of, Feb 16 p 39*; Exhibited at Chicago, June 39 p 51*

Welder, 300-amp. a.c., Mar 23 p 57*

General Mills, Inc.: To Use Modified Cover Hopper Cars for Bulk Flour Shipments, May 11 p 10

General Motors Corporation:

Better Highways Essay Contest, June 29 p 17

Electro-Motive Division:

A.R.A.M. Advertising Awards Competition Won by, Feb 2 p 8; Feb 9 p 14*

Award Offered for Paper to be Presented at Pan American Railway Congress, Feb 9 p 11

Car, "Piggy-Back" Flat, June 22 p 11*

Export Training Class, Mar 2 p 12*

Panels, All-Metal, for Diesel Locomotives, Feb 23 p 27*

Polar and Tropical Assignments for Standard

"F"-Type Locomotives, Jan 19 p 12*

Rebuilding and Conversion of Equipment; W. A.

January 1—June 30, 1953

RAILWAY AGE—Index

General Railway Signal Company:—(Continued)

- First Train Identification System Installed on Erie, Jan 19 p 38*
- Radio-Loudspeaker System for Car Inspection on the St.L.-S.F., Feb 23 p 47*
- Generators:**
 - Bogie Continuous Power, Apr 20 p 64*
 - Bogie Hollow-Shaft, June 15 p 92*
 - Bogie Mobile, Mar 9 p 104*
 - Electric Tamper & Equipment Company Portable Model M-22, June 15 p 91*
 - O-E Power Plants for Ambulance Cars, June 1 p 51*
 - Homelite Portable, Mar 9 p 100*, June 1 p 52*
 - Oran Air-Cooled Gasoline-Powered, Apr 20 p 64*
 - Winchager, for Charging Storage Batteries, Apr 20 p 76*
 - Winchager Storm Master, May 4 p 45*
- Georgia & Florida:** R.F.C. Loan, Feb 16 p 54; Apr 6 p 103
- German Federal Railroads' 1000-Hp. Diesel-Hydraulic Locomotive,** May 25 p 21*
- Germany:** Value of Pin-Point Bombing of Strategic Transportation Installations, June 15 p 11
- Getman Material Carrier,** Mar 23 p 57*
- Getty Nylon Bearing Hinge,** May 15 p 164*
- Ghost Town & Calico:** Narrow Gage Line Maintained as Tourist Attraction, June 1 p 14*
- Gieskieng, W. A., and M. W.: Wheel Checking Device Invented and Developed by,** Mar 2 p 18*
- Goodrich, B. F., Company:** Conveyor Belt Road Proposed for Cleveland, Mar 2 p 11*
- Gould-National Batteries, Inc.:** Plant at Kankakee, Ill., Feb 9 p 13*
- Government Operation of Transportation, Administration Strives for Less,** May 4 p 11
- Government Ownership:**
 - Is Britain Freeing Rails . . . To Fight Freed Trucks?, May 4 p 60*
 - Railroad Paradox; R. J. Bayer on, June 15 p 139*
- Government Reparations Cases (See Reparations Cases)**
- Government Transport Activities,** J. G. Scott Deplores Lack of Coordination in, Jan 5 p 12
- Governmental Power, Effect of Scientific Developments on,** Mar 23 p 61
- Gradall, Warner & Swasey Improved,** Mar 9 p 103*
- Grade Crossings (See Crossings, Highway Grade)**
- Graham Model DMMH Tie Doweling Machine,** June 15 p 91*
- Grain Movement:**
 - D.T.A. Suspends Storage Order, Mar 16 p 12
 - Preparation of Box Cars for Handling, June 20 p 14*
 - Victorian Railways, Apr 27 p 21*
- Grain Storage a Problem in Southwest,** June 29 p 14
- Grain Storage Space in Ships Provided by National Shipping Authority,** Apr 27 p 11
- Grand Trunk Western:**
 - Case of Suspected Sabotage Reported, Feb 2 p 49;
 - Investigation Proves no Sabotage Involved, Feb 16 p 15
 - March of Dimes Campaign, Jan 26 p 54*
- Grapple, Blaw-Knox Tie,** Mar 9 p 107*
- Gravely Chain Saw Attachment,** Mar 9 p 109*
- Great Britain:** (See also British Railways)
 - "Machine Tool Caravan" Touring U. S., Apr 20 p 101
 - Review of New Transport Legislation, May 4 p 60*
- Great Lakes Regional Advisory Board Meeting,** Apr 6 p 18
- Great Northern:**
 - Caboose, Cupola-Type, June 15 p 146*
 - "Cargotainers" Tested to Speed Handling of Mail and Express, Mar 9 p 115*
 - Citation for Blood Bank Car, Apr 20 p 13*
 - Colors Used on Equipment, June 22 p 24
 - "Empire Builder" Speeded Up, June 15 p 133
 - Employee Representation Election, May 18 p 16
 - Improvement Program, Jan 12 p 16
 - Pacific Coast Freight Time Cut, Mar 30 p 11
 - Radio Installation Program Under Way, Mar 30 p 24
 - Tickets, Book-Type, Jan 26 p 52
 - "Western Star" Service to be Improved, May 18 p 165; Speeded Up, June 15 p 133
 - Why Passenger Service Is Important to, June 1 p 64*
- Greek Railroads' Deficit to be Made up by Special Tax on Motor Transport,** Feb 23 p 8
- Greenville Steel Car Company:** B.&L.E. 70-Ton Ore Cars, May 4 p 53*
- Greyhound Terminal:**
 - Baggage Counter with High and Low Level, May 18 p 150*
 - Senior and Junior Drinking Fountains, May 18 p 160*
- Griffin EQS (A.R.A. Type X-3) Wheels,** Manufacture of, Apr 6 p 84*
- Griffin L.C.L. Pooling Plan:**
 - New England Shippers' Board Favors Extension of, Apr 6 p 13
 - Results of, Apr 6 p 75*
- Gripshew Floor Finish,** June 29 p 36
- Gulf, Mobile & Ohio:** Employee Representation Election, May 18 p 16
- Gyraltite Warning Lights,** Jan 12 p 137*

H

Hallcrafters Company:

- Littlephones Used by St.L.-S.F. to Transmit Car Numbers, Feb 2 p 50*
- Walkie-Talkie Units on B.&A., Mar 9 p 18*; June 1 p 70*

Hammer Drill, Syntron Model 26-RO, Mar 9 p 99*

Hammond, Ind., Teachers Get Lesson in Railroading, Jan 26 p 55

Harvard Business School: 12 Railroad Men Take Advanced Management Course, Mar 23 p 16; May 11 p 17*

Hastings Air Meter for Field Service, Jan 5 p 20*

Hatch, Locomotive Safety, Jan 12 p 137*

Hayco Improved Track-Lining Scope, Mar 9 p 100*

Head-End Losses, New Equipment and Methods for Reducing, May 18 p 142*

Headrest, Plastic, Used by C.N.R., May 18 p 152*

Heaters:

- Hewitt-Robins Electric, for Screen Cloth, Mar 23 p 57*
- Switch, A.R.E.A. Report on, Mar 23 p 111
- Westinghouse Industrial, June 1 p 52*

- Heating and Cooling Systems in Passenger Cars,** Minneapolis-Honeywell Push-Button Inspection Panel for Checking, June 1 p 51*
- Heller, Robert, & Associates:**
- P.R.R. Suburban Service Changes Recommended by, June 29 p 13
- Ticket Sales and Reservation Systems Developed for N.Y.C. and P.R.R., Feb 2 p 12; Apr 27 p 22*
- May 18 p 144*
- Hertz Rent-a-Car System:**
- Advertising to Feature Rail-Auto Travel, Mar 30 p 7
- Air Lines Promote, May 18 p 17
- C.&E.I. Joins, May 18 p 12
- Hewitt-Robins Electric Heater for Screen Cloth, Mar 23 p 57*
- Highways:**
- A.R.E.A. Report on, Mar 23 p 109
- Farm-to-Market Road Improvement Program Supported by Railroads, Apr 13 p 20; April 27 p 14
- General Motors Essay Contest, June 29 p 17
- Maryland Road Tests, Film on, April 27 p 11
- Two Degrees of Interest in Transportation, June 15 p 95*
- Hinge, Getty Nylon Bearing,** May 18 p 164*
- History:** (See also Centennials; also Museums)
- A.S.P. "Sand in Their Shoes", Feb 9 p 8
- First Locomotive to Run in Cuba, Apr 20 p 100*
- History Repeats Itself in Rebuilding of Sherman Hill Line by U.P., June 29 p 49*
- Hoffco Power-Driven Scythe,** Jan 19 p 25*
- Hollar, Philip A., An Interview with,** June 29 p 50*
- Homelite Portable Generator,** Mar 9 p 100*; June 1 p 52*
- Hot Boxes (See Journal Bearings)**
- Hours of Service Act, Amendment Proposed for,** June 8 p 11
- House Committee on Appropriations Urges Reorganization of I.C.C.,** Apr 23 p 10
- House Committee on Interstate and Foreign Commerce:**
- Bill to End I.C.C.'s Authority to Prohibit Motor Truck Trip-Leasing, Hearings on, Mar 9 p 12; May 4 p 13; Report on, June 1 p 13
- Hearings on D.T.A. Activities, Mar 16 p 12
- Hearings on I.C.C. Work and Problems, Mar 16 p 12; Mar 23 p 12
- Hearings on N.M.B. Work and Problems, Mar 16 p 12
- I.W.C. Salary Level Discussed at Hearing, May 18 p 17
- Membership of, Jan 20 p 53
- Railroad Retirement Board Wants More Experience with 1951 Amendments to Railroad Retirement Act Before More Changes are Made,** Mar 9 p 11
- House Committee on Public Works:** Report of Subcommittee on Control of Waterway Projects, Jan 12 p 163
- Human Relations:**
- Development of the Individual as a Major Goal of Management Feb 2 p 31
- McCarthy, Wilson, on, June 29 p 15
- "Need for Roots", The, Apr 6 p 55
- Officers of C.&N.W., C.W.I. and Belt Railway Complete Course in, June 22 p 15
- R.E.A. Supervisory Training Program, Feb 16 p 52*
- Role of the "Crusader", Feb 16 p 35
- Hyster ZA-80 and XA-40 Fork Trucks, Jan 12 p 137*

I

Ice Melting Chemical, Anti-Rust Phosphate Added to, Jan 26 p 33

Idaho Motor Truck Ton-Mile Tax Repealed, Mar 23 p 116

Illinois Central:

- Car, Aluminum Refrigerator; Report on Six Years' Service, Feb 23 p 57*; Correction, Mar 30 p 14
- Chair, Easy-to-Clean, May 18 p 154*
- "Demi-Dinners" for Economy, May 18 p 157*
- Management Seminar, Apr 6 p 93; May 4 p 70*
- Shovels, "Long-Stick" Crawler, Used for Widening Cuts, Jan 19 p 36*

Suburban Fare Increases Granted, June 29 p 16

Supreme Court to Review Venue Case, May 11 p 13

Illinois Motor Truck Tax Upheld by Supreme Court, Mar 2 p 11

Illinois Terminal:

- Locomotives, Diesel, Used on Electric Line, June 15 p 11
- Stock Market Activity Produces Rumors, May 4 p 9

Illinois Territory Industrial Traffic League: Officers, Feb 23 p 23

Impact Wrench, Thor, Mar 9 p 110*

Impact Wrench, Tork-Hammer, Mar 9 p 108*

Improvement Programs; D.&R.G.W., Jan 5 p 15; B.&M. and G.N., Jan 12 p 16; U.P., Feb 23 p 61; C.M.St.P.&P., June 15 p 140

Inauguration Traffic, Railroads' Handling of, Jan 5 p 14; Jan 19 p 45; Feb 2 p 13*

Income Tax Effect on Public Transportation Costs, Apr 6 p 90

Independent Pneumatic Tool Company: Thor Impact Wrench, Mar 9 p 110*

Index to Volume 133, Mar 23 p 114

Industrial Development:

- A.C.L. Warehouse Construction Program, May 4 p 68*
- Growth of Agricultural Towns on N.P., May 4 p 9
- Long-Range Planning; J. H. Aydelott on, Mar 23 p 96
- N.P. Department Reorganized to Meet Increased Demands, May 18 p 201
- S.P. Officers Study Development in Texas and Louisiana, May 18 p 13*

- Industrial Traffic Management Division Organized by University of Denver,** May 18 p 16
- Industrial Traffic Management Institute,** Fifth, to be Conducted by American University, Jan 12 p 13; Feb 2 p 15; Mar 2 p 12
- Information for Employees:**
- Education—What for, and Where Begin?, Apr 13 p 17†
- P.R.R. Booklet "Speak Up, Railroader", Feb 2 p 8; Feb 16 p 17*
- Where to Begin in Labor Relations, Apr 6 p 57†
- Information for the Public:**
- Common Carriers Silent Under Discriminatory Treatment, Feb 16 p 37†
- Education—What for, and Where Begin?, Apr 13 p 17†
- Need for Telling American People What Revisions are Needed in Governmental Transportation Policy, June 29 p 41†
- Inland Steel Company:**
- 80 Million-ton Ton of Steel Produced by, Feb 2 p 48*
- Steep Rock Mines in Ontario Leased, Mar 2 p 20
- Inland Waterways Corporation:**
- Federal Barge Lines Deficit Expected for 1953-54, Jan 19 p 18
- Operations in 1951-52, Jan 12 p 163
- Rothschild, L. S., Named Chairman, Apr 6 p 93
- Salary Levels Discussed at Hearing Before House Committee on Interstate and Foreign Commerce, May 18 p 17
- Secretary of Commerce Would Sell, Mar 2 p 12; Receives Seven Offers for, June 15 p 16
- Seeks Authority to Extend Operations, Mar 2 p 12
- Insignia, New, for the Rutland,** Jan 19 p 17*
- Insignias Changed by D.S.S.&A., and C.M.St.P.&P.,** Mar 23 p 13*
- Institute of Thread Machinists, Inc.:** Aids Railroads in Improving Journal-Box Packing, Mar 30 p 23
- Interlockings:**
- C.&E.I. Uses "Winchangers" at Goodwine, Ill., Apr 20 p 76*
- Installations in 1952, Jan 12 p 204
- International Business Machines Corporation:**
- Punch-Card Tickets, May 18 p 127*
- "Wireless" Paging System, May 18 p 164*
- International General Electric Company:** Award Offered for Paper to be Presented at Pan American Railway Congress, Feb 23 p 59
- International Nickel Company:** Fourth Railroad Corrosion Conference, May 11 p 16
- International Steel Company:** U.P. Metal Livestock Cars, Mar 2 p 10
- Interstate Commerce Act:**
- Amendment Proposed to End I.C.C.'s Authority to Prohibit Motor Truck Trip-Leasing, Mar 9 p 12; May 4 p 13; June 1 p 13; June 15 p 95; June 29 p 9
- Amendment Proposed to Give I.C.C. Power to Order Abandonment of Unprofitable Intrastate Services, Feb 2 p 17; Mar 23 p 9
- Amendment to Provide for I.C.C. Authority Over Communication Systems and Train Operating Rules, Feb 2 p 17; Apr 20 p 12; May 4 p 49†
- Bills to Add New Section 15c to Provide for Prompt Rate Increases, Apr 6 p 18; May 4 p 9; May 11 p 12; May 18 p 11, p 12; June 1 p 13; June 8 p 9 Section 5a:
- Interterritorial Rate Pact Approved, Feb 16 p 13 N.Y.N.H.&B. and B.&M. Withdraw from That Portion of Agreement Which Relates to the Fixing of Per Diem Rates, June 22 p 13; Correction, June 29 p 16
- Rate Procedures Agreements, Jan 19 p 15; Feb 16 p 13
- Section 20b (Mahaffie Act):** Amendments Proposed by I.C.C., Feb 9 p 87
- Interstate Commerce Commission:**
- Accident Reports:
- Explosion of Air Reservoir on Southern Diesel Locomotive, Mar 16 p 14
- P.R.R. "Federal" Crash at Washington Union Station, Feb 2 p 18 (Hearings); Feb 23 p 18 (Report)
- Activities in 1952, Jan 12 p 158
- Annual Report for 1951-52, Feb 9 p 86*
- Appropriation for 1953-54, Jan 19 p 17; Apr 27 p 10; Comparison with C.A.A. Appropriation, June 15 p 125
- Appropriation, Larger, Needed for Safety Work, June 15 p 125
- Baggage-Checking Tariffs Cancelled, June 8 p 10
- B&O Charged with Filing False Financial Statements, Jan 12 p 14
- Brake Installations and Specifications, Bill to Give I.C.C. Authority Over, Mar 16 p 12; Mar 30 p 21; Apr 20 p 12; May 4 p 49†
- Bureau of Accounts and Cost Finding:
- Distribution of the Revenue Contribution Between Interstate and Intrastate Traffic, Feb 23 p 16
- Passenger Service Deficit in 1951, Revised Table Showing Distribution of, May 25 p 12
- Summary of Returns to Cost Inquiry on Railroad Freight Station Costs and Other Performance Factors, Mar 2 p 19
- Bureau of Finance Merges Two Sections, Mar 9 p 15
- Bureau of Locomotive Inspection Annual Report for 1951-52, Feb 23 p 55*

GENERAL INDEX—Continued

[Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡]

Interstate Commerce Commission:—(Continued)
 Bureau of Safety: Annual Report, 1951-52, Feb 16 p 11
 Bureau of Transport Economics and Statistics:
 Freight Revenue and Destination Wholesale Value of Commodities, Apr 6 p 16
 Grade Crossing Accident Statistics for 1952, June 15 p 16
 Indexes of Average Freight Rates on Carload Traffic, 1947-51, Apr 6 p 16
 Monthly Comment on Transportation Statistics, Jan 26 p 11, p 53, p 55; Feb 2 p 49; Feb 23 p 17, p 19; Mar 23 p 12, p 15, p 17, p 116, p 127; Apr 20 p 13, p 16, p 17; May 25 p 10, p 11, p 12; June 15 p 15, p 16, p 17, p 141, p 142
 Motor Carrier Revenues and Traffic, 1939-51, Feb 23 p 59
 Salaries Over \$20,000 in 1951, Jan 19 p 47
 Waybill Studies Issued, Feb 2 p 50
 Bureau of Valuation:
 Death of G. S. Douglass, Jan 12 p 14*
 Deferred Maintenance Study, Mar 30 p 10
 Hansbury, J. E., Appointed Acting Director, Feb 16 p 16
 Valuation Data as of January 1, 1952, Feb 16 p 13
 Car Spotting Service Tariff, Proposed Report on Railroad Application of, Apr 13 p 12
 Chairmanship to Correspond to Fiscal Year, May 4 p 9
 C&E.I. Truck-Competitive Rate, Supreme Court Upholds Cancellation of, Jan 19 p 18
 C&N.W. and C.N.S.&M. Granted Suburban Fare Increases, Mar 9 p 8
 C.R.I.P. Supervisors Brought Under Railway Labor Act, June 15 p 17
 Circuit Limitations Order, Railroads Seek More Time on, Apr 27 p 10
 Clarke, Owen, Nominated to be a Commissioner, May 25 p 14
 Debt Adjustment Plans (See Debt Adjustment Plans)
 Department of Commerce to Intervene Less in Rate Cases, Apr 20 p 13
 Free Transportation, Unauthorized, Investigation of, Feb 16 p 16
 Interterritorial Rate Pact Approved, Feb 16 p 13
 Johnson, J. Monroe, Elected Chairman, June 22 p 10
 M.P. Seeks Advice on Renewal of R.E.A. Contract, Mar 2 p 9; Apr 13 p 19; June 8 p 10
 Motor Carrier Regulation: (See also Names of Companies)
 Motor Truck Transportation of Explosives, Proposed Report on, May 4 p 12
 Rule Determining "Terminal" Trucking Operations in Connection with Air Freight Service, Apr 20 p 16
 Rules for Leasing Trucks; Order Upheld by Supreme Court, Jan 19 p 45; Order Effective, May 25 p 10
 N.Y.C. Asks Ruling as to Whether Employees of Despatch Shops May Receive Free Transportation, Feb 16 p 16
 N.Y.N.H.&H. Granted Boston Fares for New Suburban Station, May 11 p 10; June 15 p 14
 Norfolk Southern Investigation; Proposed Report, Apr 20 p 13; May 11 p 11
 Ocean Steamship Company Keeps New York-Savannah Set-Up, June 29 p 13
 Official-Southern and Official-Southwestern Divisions Cases, Reports in, Feb 9 p 11; Mar 30 p 22; May 11 p 5; Findings Modified, June 22 p 15
 Ogden Gateway Case, Decision in, Feb 2 p 12
 Operational Reforms Suggested by Comm. Arpaia, June 1 p 63*
 Orders Calling for Reports on the Structure and Insulation of Refrigerator Cars Vacated, June 22 p 15
 Parcel Post Rates (See Parcel Post Rates)
 Parmelee Transportation Company, Status of, May 18 p 12
 Petroleum Products Rate Reduction Approved Because of Threat to Build Pipe Line, Feb 9 p 13
 Pick-up and Delivery Charges on Uniform Basis Authorized in Official Territory, May 18 p 14
 R.E.A. Proposal to Close 176 Stations in Southwest, Report on, Mar 30 p 13
 R.E.A. Seeks Rate Increase, Feb 9 p 15; May 18 p 149*
 Rate Advance Cases (See Rates, Freight)
 Rate Procedures Agreements (See Interstate Commerce Act: Section 5a)
 Rates, Below-Cost, Supreme Court Upholds Power to Fix, Mar 23 p 11
 Reading Control of C. of N. J., Approved, Feb 9 p 21
 R.F.C. Reparations Claim Dismissed, Jan 12 p 12
 Reorganization of Railroads (See Reorganization of Railroads)
 Reorganization Urged by House Committee on Appropriations, Apr 27 p 10; Chairman Directed to Prepare Plan, June 1 p 8; Urged by Senator Tobey, June 1 p 11*. Operational Changes Suggested by Comm. Arpaia, June 1 p 63*; A.T.A. to Oppose, June 29 p 7
 Seafarers Lines Antitrust Suit Against the Railroads: Issuance of "Declaratory" Orders Asked, Jan 19 p 13; Feb 16 p 13; Supreme Court Refuses to Review, Mar 23 p 14
 Service Orders, Jan 5 p 53; Feb 9 p 92; Mar 2 p 10; Apr 6 p 14; Apr 13 p 19; May 4 p 15; May 18 p 18; June 15 p 12; June 29 p 15

Interstate Commerce Commission:—(Continued)
 Splawn, W. M. W., to Retire, June 15 p 8; June 22 p 10*
 Stock Option Plans (See Stock Option Plans)
 Stock Split Proposals (See Stock Split Proposals)
 Supreme Court Upholds Ruling on Purchase of Water Carrier Certificate, May 11 p 13
 Uniform System of Accounts for Steam Railroads: Tighter Expense Account Rules Urged, Apr 20 p 13
 Water Carrier Regulation (See Names of Companies) Wharfage Allowances to the Army at Norfolk; Case Resolved, Feb 9 p 16
 Wolf Management Engineering Company Report on, Feb 9 p 16; Mar 23 p 12; June 1 p 8
 Work and Problems of House Committee on Interstate and Foreign Commerce Hearings on, Mar 16 p 12; Mar 23 p 12

Work Load, How Practitioners and Carriers Can Help Reduce, June 29 p 12
 Intrafax Passenger Reservation System, May 18 p 147*
 Inventories: Monthly: October, Jan 12 p 182; January, Apr 20 p 89; March, June 15 p 119

Investment in Railroads:
 Hill, D. A., on Providing More Information for Large Investors, Apr 20 p 60*†
 How Right is the Ticker Tape?, Jan 12 p 141†
 Review of 1952, Jan 12 p 188*
 Investment Publications, Jan 26 p 61; Mar 3 p 22; Mar 29 p 26; May 25 p 22
 Iron and Steel Structures, A.R.E.A. Report on, Mar 23 p 119

J

Jack-All Combination Jack and Tamper, Mar 9 p 101*
 Jack and Tamper, Kershaw Combination, Mar 9 p 101*
 Jack, Hand, for Moving Containers, Mar 9 p 115*
 Jackson Compactor Bases, Mar 9 p 107*
 Jamaica, B.W.I.; Railroad Built By Kaiser Aluminum & Chemical Corp., Mar 23 p 116*
 Joints, Barco Swing, Mar 9 p 109*
 Jordan Double-Ended Snow Plow, Mar 9 p 104*
 Journal Bearings:

 Device for Stopping a Train Automatically in the Event of a Hot Box Developed by A. J. Herbert, Feb 9 p 81*
 Hot Box Research Results in the Laudig Iron-back Bearing, Mar 23 p 65*

Hot Boxes:
 How N.W. Controls, June 15 p 103*
 P.R.R. Investigation of, May 4 p 54
 How to Improve Performance of, Jan 5 p 44*
 Journal Bearings, Roller:
 Franklin Railway Supply Company and Bower Roller Bearing Company Join to Produce, Feb 16 p 18

Q.N.S.&L. Ore Cars Equipped with, May 11 p 11*
 Journal Box Packing, Institute of Thread Machinists Aids Railroads in Improving, Mar 30 p 23

Jumper, Pyle-National Diesel Locomotive Control, Feb 16 p 33*

K

Kaiser Aluminum & Chemical Corp.: Railroad Built in Jamaica, B.W.I., Mar 23 p 116*
 Kalamazoo "Xpediter" Feb 16 p 33*
 "Kanigen" Nickel-Plating Process, Mar 23 p 120
 Kansas City Southern:
 Desulfurization Completed, Apr 6 p 8
 Stock Split Approved by I.C.C., Feb 9 p 91; Apr 6 p 103

Kansas Intrastate Rates, I.C.C. Report on, Feb 23 p 60

Kershaw Combination Jack and Tamper, Mar 9 p 101*

Kershaw Track Broom, Mar 9 p 100*

Klasing Automatic Slack Adjuster, Mar 23 p 57*

L

L.C.L. Car, Combination Refrigerator-Merchandise; N.P., Mar 16 p 11*

L.C.L. Rates, Graduated, Favored by Freight Agents, June 15 p 114

L.C.L. Service:

 "Dispersal of Effort": H. E. Bixler on, June 15 p 13
 N.Y.N.H.&H. Substitutes Truck Service at Providence, Feb 2 p 15

Pooling Plans: Rochester, Jan 26 p 53; Griffin, Apr 6 p 13, p 75*

Shippers' Poll Indicates Service is Biggest Factor in Routing of Traffic, Jan 19 p 11
 Training for Salesmen Urged, Jan 19 p 14

U.P. Los Angeles-Las Vegas Service, June 15 p 15; Extended to Salt Lake City, June 29 p 14

L.C.L. Traffic:

Decrease Since 1939, May 25 p 12

Pick-Up and Delivery Charges on Uniform Basis Authorized in Official Territory by I.C.C., May 18 p 14

Poll on Who Should Route L.C.L., May 18 p 12

Railroads Will Have to Sell Shippers on Their Desire to Handle, Jan 5 p 8

Service Biggest Factor in Routing of, Jan 19 p 11

U.P.'s New Service Brings Increase in, June 15 p 15; June 29 p 14

Labor, Economics of, A.R.E.A. Report on, Mar 23 p 104, p 109

Labor Relations:
 Absurdity in, Jan 19 p 30†
 Chronology for 1952, Jan 12 p 150, p 210
 D.L.&W. Labor-Management Meeting to Discuss Annual Report, Apr 6 p 93

Open Spigot, An, Feb 9 p 69†

Where to Begin in, Apr 6 p 57†

Labor Unions: Cooperation with Management in Establishing Training Programs, Jan 5 p 31

Ladders of Box Cars, Safer Footing for Trainmen Using, Jan 5 p 16*

Lamidek: Vertical-Grain Car Decking, May 4 p 45*

La Plata Road Tests, Motion Picture on, Apr 27 p 11

Laudig Iron Back Journal Bearing, Hot Box Research Results in the, Mar 23 p 65*

Leasing of Motor Trucks:

 I.C.C. Order Upheld by Supreme Court, Jan 19 p 4

 Order Effective, May 25 p 10

 Trip-Leasing Bill, Mar 9 p 12; May 4 p 13; June 1 p 13; June 15 p 95; June 29 p 9

Legal Decisions: (See also United States Supreme Court Decisions)

B.&O. Charged with Filing False Financial Statements, Jan 12 p 14

N.Y.N.H.&H. Wins Injunction Against Teamsters Union in Trailers-on-Flat-Cars Suit, Apr 13 p 18

Review of Year 1952, Jan 12 p 161

Roads Fined for Elkins Act Violations, Apr 13 p 12; May 18 p 12

Roads Fined for I.C.C. Service Order Violations, Jan 26 p 54; Feb 23 p 22; Apr 13 p 12

Legislation, Transport, in Great Britain, May 4 p 60*

Legislative Forum Held by Traffic Club of Chicago, Mar 2 p 19; Mar 30 p 13

Legislative Recommendations Made by I.C.C. in Annual Report, Feb 9 p 86

Legislative Review of 1952, Jan 12 p 159

Lehigh Valley: Centralized Checking System at Manchester Transfer Station, Mar 2 p 20; Apr 6 p 59*

Le Roi Company Control Purchased by Westinghouse Air Brake Company, Mar 9 p 16

LeTourneau, R. G., Inc.: Westinghouse Air Brake Company Purchases Part of, May 4 p 16; May 25 p 21

Lexington Group, Plaque to Commemorate Founding of the, June 29 p 12*

Lift Trucks (See Trucks, Industrial)

Lighting Fixtures:

 Luminator Improved Mirror Lighting, May 18 p 153*

 Westinghouse Upward Component Lumenaire, Feb 9 p 65*

Lights:

 Gyrilite Warning, Jan 12 p 137*

 Pyle-National Pit and Subway, Apr 20 p 64

Link-Belt Company: Plant at Colmar, Pa., Jan 19 p 13*

Lobby, Motor Truck, Railroads Should Provide Effective Counterweight Against the, June 15 p 98*

Locomotive Inspection Annual Report for 1951-52, Feb 23 p 55*

Locomotive Performance:

 British Railways Gas-Turbine Locomotive, Feb 2 p 39*

 Comparison of Gas-Turbine and Steam Locomotive Performance in Great Britain, Feb 2 p 40

Effect of A.T.&S.F. Dieselization Program on, Mar 30 p 11*

Gas-Turbine Performance on the U.P., Feb 16 p 39*

Proportion of Service Rendered by Steam, Diesel and Electric Locomotives, Jan 12 p 154*; Mar 23 p 17; Fuel Costs, Apr 20 p 17

Weather Is Important in Diesel Operations in Canada, Mar 23 p 80*

What Diesels Mean to Railroads, Apr 6 p 69*

Years 1942-52, Jan 12 p 155

Locomotive Safety Hatch, Jan 12 p 137*

Locomotive Supply:

 CMP Allotments: Second Quarter, Jan 5 p 14; Feb 23 p 12

Estimate of Expenditures in 1953, Jan 12 p 180

Installations, 1946-52, Jan 12 p 153; Year 1952, Feb 2 p 51; January, Mar 2 p 23; February, Mar 30 p 24; March, Apr 27 p 20; April, May 25 p 20; May, June 22 p 25

Nationwide Pool of Diesel Locomotives Proposed, Apr 13 p 5; Apr 27 p 5; May 18 p 8

On Order at End of Years 1946-52, Jan 12 p 153; January 1, Feb 2 p 51; February 1, Mar 2 p 24; March 1, Mar 30 p 24; April 1, Apr 27 p 21; May 1, May 25 p 20; June 1, June 22 p 25

Orders: December, Jan 5 p 15; January, Feb 2 p 51; February, Mar 2 p 23; March, Apr 6 p 100; April, May 4 p 17; May, June 8 p 19

Orders in 1952, Jan 12 p 226*

Ownership, 1946-52, Jan 12 p 153; Jan 26 p 53

Locomotives: (See also Locomotive Performance)

Diesel-Electric: (See also Dieselization of Railroads)

 Alco-G.E. "World", June 22 p 12*

 American Manufacturers to Aid Dutch Manufacturers in Producing, Mar 2 p 20

 A.T.C. Locomotive That Can Operate on Various Gages and in the Arctic or the Tropics, Apr 13 p 10*

Characteristics of: Charles Kerr, Jr., on, Apr 6 p 69*

 Electrical Problems of Canadian Operations, Mar 23 p 80*

 Electro-Motive All-Metal Panels for, Feb 23 p 27*

 Explosion of Air Reservoir on Southern, I.C.C. Report on, Mar 16 p 14

RAILWAY AGE—Index

Locomotives—(Continued)
Diesel-Electric—(Continued)

- First Locomotive Built with Caterpillar Diesel Engines, Apr 6 p 12*
- G.M.C. to Build "Train X" Locomotive, Jan 12 p 13
- I.T. Replaces Electric Units with, June 15 p 11
- Rebuilding and Conversion of E.M.D. Equipment; W. A. Thomas on, May 11 p 9
- Brewiring of; J. R. Early on, May 11 p 9
- Royal State Railways of Thailand, May 4 p 18*
- Ten Ways to Train Maintainers, Mar 9 p 122*
- Victorian Railways, Mar 23 p 75*
- Westinghouse Renewal Parts Plan, May 11 p 22
- Diesel-Hydraulic:** German Federal Railroads, May 25 p 21*
- Electric:**

 - Bas Congo au Katanga Railway, Feb 9 p 16*
 - N.Y.N.H&H. Rectifier Type, Jan 5 p 12*
 - June 22 p 16*
 - Niagara Junction, Mar 30 p 15*

- Gas-Turbine:**

 - Coal-Burning, Progress Reported on, Mar 16 p 23; Will Open New Market for Coal, Mar 23 p 118; Progress Report, Apr 20 p 86*
 - U.P. Converts Locomotive to Burn Propane Gas, Feb 2 p 50; June 22 p 6
 - Steam, First, to Run in Cuba, Apr 20 p 100*

- Lone Star Gas Company:** Compressed Air Degasging System Used in Tank Cars, Mar 23 p 83*
- Long-and-Short-Haul Clause:**

 - Railroads Seek More Time on I.C.C. Circuitry Limitations Order, Apr 27 p 10
 - Railroads to Seek Alterations in Circuitry Limitations, Mar 30 p 6
 - Railway Freight Traffic Poll on Logical Action to be Prescribed for, June 22 p 13

- Long-and-Short-Haul Clause: Repeal:**

 - Discussion at Chamber of Commerce Regional Conference at Minneapolis, Jan 5 p 40
 - I.C.C. Practitioners Discuss, June 1 p 12
 - Knudson, James K., on, Feb 16 p 12
 - Newell, J. P., on, Jan 26 p 46*
 - Traffic Club of Chicago Legislative Forum Discussion on, Mar 2 p 19; Mar 30 p 13
 - T.A.R.A. Board Returns Recommendations to Policy Administration Board, Jan 26 p 11

- Long Island:**

 - Car Reconstruction Program, Feb 2 p 16
 - Cars Leased from Reading, June 15 p 13
 - Escalator at Rockville Center Installed by Municipality, Mar 23 p 127*
 - Pressure Continues on Trustee, June 20 p 42†
 - Reorganization Proceedings, Jan 19 p 50; Feb 16 p 55; Apr 27 p 27
 - Train Schedule Questionnaire, May 11 p 15*
 - Wyer, William, Called "Uncooperative" by Long Island Transit Authority, Mar 23 p 125; Wyer's Reply, Apr 6 p 101; June 29 p 42†
 - Lorain Model MC-524 Moto-Crane and Model SP-524 Self-Propelled Crane, Jan 26 p 33*
 - Lorain Model TL-10 Truck Crane, Mar 9 p 101*
 - Lorain Model 820-KS Crawler Crane, Mar 9 p 103*
 - Loss and Damage Prevention:** (See also Claims)

 - A.R.A.R.D.A. Course on Perishable Losses, Mar 9 p 13
 - A.R.A.R.D.A. Container Research and Development Seminars, Mar 20 p 9, p 10*
 - A.R.R. Freight Claim Division Discusses, June 1 p 16
 - K.A.R. Freight Loss and Damage Prevention Section Discusses, June 1 p 15
 - Atlantic States' Shippers' Advisory Board Panel Discusses, Jan 26 p 52
 - C.N.R. to Build "Picture Window" Car, June 15 p 12
 - Dressed-Beef Damage, A.R.R. Tests to Determine Cause of, May 4 p 58*
 - New Techniques and Ideas Aid in, May 4 p 51*
 - P. R. R. Film "The Breaking Point", Apr 27 p 6
 - Perfect Shipping Campaign, Mar 30 p 97; Apr 6 p 13, p 61†; Apr 27 p 6
 - Perfumed Letters in Woman's Handwriting Containing Safe Transit Poster Distributed to Truck Drivers and Freight Handlers, Apr 6 p 8
 - Safe Transit Conference to be Held, Mar 9 p 16
 - Southern Railway Film "The High Cost of Carelessness", Jan 12 p 16*
 - U.P. Claim Prevention Car Borrowed by P.R.R., May 18 p 18

 - Loudspeaker Systems:**

 - Installations in 1952, Jan 22 p 217*, p 219*
 - L.V., at Manchester Transfer, Mar 2 p 20; Apr 6 p 50*
 - Radio-Loudspeaker System Used for Car Inspection by S.L.-S.F., Feb 23 p 47*
 - Louisiana & Arkansas Dieselization Completed, Apr 6 p 8
 - Louisiana Eastern Borrows Wrecking Crane from I.C. to Move Gravel Dredge, Mar 9 p 15*
 - Louisiana Southern: Court to Determine Officers' "Job Protection" Rights, June 8 p 5
 - Louisville & Nashville:

 - Cars, Sleeping (Beauty Sleepers), Apr 6 p 78*
 - May 18 p 153*
 - Controlling Speed of Long Freight Trains, Jan 26 p 48*
 - "Curveliner" in Use on, May 18 p 160*
 - Evolution of a Shop from Steam to Diesel, Apr 20 p 11*
 - Steel Plates Used for Tunnel Underpass at Cawood, Ky., June 15 p 120*

 - Lubricating Oils for Diesel Engines, Arguments for and Against Mixing of, Feb 2 p 14
 - Lumber, Packaged, A.W.P.A. Report on, May 4 p 88
 - Luminator, Inc.: Improved Mirror Lighting in Sleeping Cars, May 18 p 153*
 - Luria Engineering Company: N.Y.C. Prefabricated Diesel Shops, Mar 9 p 94*

M

 - Magazine Racks Placed in Cars by C. & O., May 18 p 160*
 - Magnoux Corporation: New Plant and Office, May 18 p 176*
 - Mahaffie Act, I.C.C. Proposes Amendments to, Feb 9 p 87
 - Mail Handling:**

 - Equipment and Methods for Reducing Losses, May 18 p 142*
 - G.N. Tests "Cargotainers" for, Mar 9 p 115*
 - U.P. Mechanizes Facilities at Council Bluffs, June 15 p 109*

 - Mail-Passenger Combination Motor Coach:** Flixible, Mar 2 p 9*
 - Mail Service to be Investigated by Senate Committee on the Post Office and Civil Service, Mar 16 p 14**
 - Maine Central: New Line at Portland Terminal, Feb. 9 p 12*
 - Maintenance of Equipment:**

 - Class Repairs for Diesel Locomotives; Southeastern Railway Diesel Club Discussion, May 11 p 9
 - How to Improve Performance of Solid Journal Bearings, Jan 5 p 41*
 - P.R.R. Investigation of Hot Boxes, May 4 p 54
 - Shops and Shop Equipment—1952, Jan 12 p 196*, p 208*
 - Ten Ways to Train Maintainers for Diesel Locomotives, Mar 9 p 122*

 - Maintenance of Way:**

 - Deferred, I.C.C. Study of, Mar 30 p 10
 - Expenditures in 1952, Jan 12 p 21*
 - I.C. Cut Ditching and Widening Program, Jan 19 p 36*
 - Programs Planned for 1953, Mar 9 p 90*

 - Maintenance of Way Forces, A.R.E.A.** Report on, Mar 23 p 109
 - Maintenance of Way Work Equipment:**

 - A.R.E.A. Report on, Mar 23 p 111
 - History Repeats Itself in Rebuilding of Sherman Hill Line by U.P., June 29 p 49*
 - I.C. Uses "Long-Stick" Crawler Shovels for Widening Cuts, Jan 19 p 36*
 - Purchases in 1952, Jan 12 p 198*
 - Purchases in 1953 Estimated, Jan 12 p 199; Mar 9 p 96

 - Malaya: Line from Gemas to Tumpat Almost Completed, Mar 23 p 142
 - Mall Tork-Hammer Impact Wrench, Mar 9 p 108*
 - Malsbury Steam Cleaner, Apr 6 p 49*
 - Management:**

 - A.T. & S.F. Officers to Attend U.S.C. Institute of Business Economics, May 18 p 14
 - C.N.R. Staff Training Course, May 18 p 8; June 22 p 15*
 - C. & O. Training Course in, Mar 23 p 86
 - Cooperation with Labor Unions in Establishing Training Programs, Jan 5 p 31
 - D.L.&W. Labor-Mangement Meeting to Discuss Annual Report, Apr 6 p 93
 - Development of the Individual as a Major Goal of, Feb 2 p 31
 - Harvard Advanced Management Courses, Mar 23 p 16; May 11 p 17*
 - I.C. Seminar for, Apr 6 p 93; May 4 p 70*
 - Importance of Followership as Well as Leadership, Apr 20 p 67
 - Northwestern University Forum, Feb 9 p 17; Mar 23 p 16*; Apr 6 p 13; Apr 20 p 69†, p 81; May 4 p 9
 - Officer Retirement Plans Still Short of Perfection, Mar 9 p 86†
 - Pendulum Swings in Business Leadership, Mar 9 p 83
 - Manpower, Motor Carrier, Problem of, May 11 p 5
 - Map Showing Principal Passenger-Carrying Railroads, May 18 p 128*
 - March of Dimes Campaign on the G.T.W., Jan 26 p 54*
 - Marine Industries, Ltd.: C.N.R. Experimental Refrigerator Car, Mar 16 p 26
 - Marketing of Newsprint, Study of Transportation Factors Involved in, Jan 5 p 14
 - Maryland Road Tests, Bureau of Public Roads Issues Film on, Apr 27 p 11
 - Material Handlers:**

 - Getman, Mar 23 p 57*
 - Prime-Mover, Snow Plow Attachment for, Mar 9 p 110*

 - Material Handling Equipment Ordered in 1952, Jan 12 p 183
 - Materials and Supplies:**

 - CMP Allotments, Jan 5 p 13; Jan 12 p 220; Feb 23 p 19
 - CMP Controls Relaxed, Jan 5 p 13; Feb 16 p 12; Feb 23 p 19; To be Terminated, Mar 30 p 23
 - Control System, New, for Defense Materials Only, Mar 30 p 23
 - Inventories (See Inventories)
 - Price Index, 1939-52, Jan 12 p 151
 - Purchases (See Purchases)
 - Railroads MRO Order Revoked by N.P.A., June 1 p 89
 - Matisa Tamper Turntable, Mar 9 p 108*
 - Meals (See Dining Car Service)
 - Mechanized Handling (See Accounting; Office Equipment; Trucks, Industrial)
 - Meetings and Conventions, Feb 9 p 105; Apr 6 p 110; June 15 p 102
 - Meladure Dinnerware, Apr 20 p 84*
 - Melamine Dinnerware Apr 20 p 84*
 - Melpar, Inc., Applies Operations Research Technique, Apr 20 p 71*, p 73*, p 75*
 - Melt, Anti-Rust Phosphate Added to, Jan 26 p 33
 - Mercury Combination Hand-Truck and Trailer, Feb 23 p 27*
 - Mercury Paper Roll Clamp for Trucks, Apr 20 p 63*
 - Mercury Tractor-Cab, May 4 p 45*

 - Mergers:**

 - Chicago & Southern and Delta Air Lines Merged, May 18 p 17
 - C.I.&L.-C.&E.I. Under Discussion, Jan 26 p 8
 - Meridian & Bigbee River: Reorganization proceedings, Jan 12 p 18
 - Meter for Testing Mobile Two-Way Radio, RCA, Feb 9 p 65*
 - Methods and Procedures:** R.S.&P.A. Annual Meeting, Mar 23 p 118; Mar 30 p 22; May 4 p 74*
 - Mexico: Railway Construction in 1952, Jan 12 p 245
 - Microfilm Used by F.R.R. to Search for Routes and Fares, May 18 p 147*
 - Microwaves (See Radio)**
 - Midland Valley: Dieselization Completed, Mar 30 p 11
 - Mid-West Shippers' Advisory Board Meeting, Jan 19 p 14; May 4 p 11; June 1 p 58†
 - Mileage Built in 1952, Jan 12 p 241
 - Mileage in Receivership or Trusteeship, Jan 12 p 149
 - Mileage Rates on Refrigerator Cars Increased, Feb 9 p 17; Mar 12 p 12
 - Military Personnel, Rail Transport Urged for, Jan 26 p 54**
 - Military Traffic Loss Serious to Railroads, May 11 p 14**
 - Milwaukee Traffic Club:** Officers, Feb 23 p 23
 - Minneapolis-Honeywell Regulator Company: Push-Button Inspection Panel for Checking Passenger Car Heating and Cooling Systems, June 1 p 51*
 - Minneapolis, St. Paul & Sault Ste. Marie:**

 - Freight Service Bureau Organized, Apr 6 p 65*
 - Traffic Department Organization, New, Apr 6 p 65*
 - Minnesota Mining & Manufacturing Company: "Scotchlite" Used by A.T. & S.F. on Roadway Signs, Apr 20 p 77*
 - Minnesota Transfer Yard Improvement Program, June 8 p 20
 - Mississippi Central to Convert to Diesel Operation, May 18 p 18; Correction, June 15 p 15*
 - Missouri Honor Award Won by R.P. Hart, Apr 6 p 93
 - Missouri-Kansas-Texas:

 - Debt Adjustment Plan, Jan 12 p 18; May 4 p 17
 - Eureka Yards Opened, Jan 19 p 16
 - Shops at Parsons, Kan., and Waco, Tex., Converted for Diesel Repairs, June 1 p 74*

 - Missouri Pacific:**

 - Coal Transfer at Ford, Ill., Apr 20 p 94*
 - Line Change Near Glen Park, Mo., June 29 p 16*
 - R.E.A. Contract, Seeks Advice of I.C.C. on Renewal of, Mar 2 p 9; Apr 13 p 19; June 8 p 10
 - Reorganization Proceedings, Jan 5 p 17; Jan 19 p 50; Feb 2 p 53; May 4 p 18; June 8 p 20; June 15 p 142
 - Reorganization Under Mahaffie Act Rather Than Section 77 of Bankruptcy Act Proposed, Feb 9 p 90; Mar 9 p 138; Petition Denied, June 1 p 88; June 22 p 34
 - Sleeping Car Service to Mexico City, Jan 19 p 47
 - Missouri Pacific Freight Transport Company:**

 - I.C.C. Report on Proposal to Revoke Concurrence in Joint Express-Truck Tariffs, Mar 30 p 13
 - To Purchase Operating Rights of Parent Railroad, Mar 2 p 22

 - Moberly Junior College, Telegraphers Trained at, Feb 23 p 17
 - Model Used to Lay Out T. & P. Wheel Shop at Marshall, Tex., June 29 p 52*
 - Montana Motor Truck Ton-Mile Tax Defeated, Mar 23 p 116
 - Morrison Car Leasing Plan for Short Lines, June 22 p 13
 - Motion Pictures:**

 - Budd-Marathon TV Newsreel "Clear Iron", Feb 2 p 16
 - Clark Equipment Company "Safety Saves", Apr 13 p 19*
 - Maryland Road Test Film, Apr 27 p 11
 - P.R.R. "The Breaking Point", Apr 27 p 6
 - Pullman Company "Service is Your Business", May 18 p 156*
 - Southern Railway "The High Cost of Carelessness", Jan 12 p 16*
 - Moto-Crane, Lorain 30-Ton:** Jan 26 p 33*
 - Motor Carrier Freight Commodity Statistics, Difficulty of Analyzing:** June 15 p 123
 - Motor Carrier Revenues Compared with Railroad Revenues, 1939-51:** Feb 23 p 59
 - Motor Coach:** Flixible Combination Mail-Passenger, Mar 2 p 9*
 - Motor Truck Industry:**

 - Great Britain Denationalizes the, May 4 p 60*
 - Manpower Problem, May 11 p 5
 - Review of Year 1952, Jan 5 p 13

 - Motor Truck Lobby, Railroads Should Provide Effective Counterweight Against the, June 15 p 98†**
 - Motor Truck Operations:**

 - Air-Freight Trucking Gets Relief from Regulation, Apr 20 p 16
 - N.Y.N.H.&H. Substitutes Motor Truck L.C.L. Service at Providence, Feb 2 p 15

 - Motor Truck Taxes (See Taxes)**
 - Motor Truck Traffic: Year 1952, Jan 5 p 13; Apr 13 p 6**
 - Motor Truck Transportation of Explosives, I.C.C. Proposed Report on, May 4 p 12**
 - Motor Trucks:**

 - D.T.A. Census of Ownership in 1950, Jan 12 p 13
 - How Trucks Help Railroads, Feb 9 p 70
 - Rules for Leasing; I.C.C. Order Upheld by Supreme Court, Jan 19 p 45; Order Effective, May 25 p 10
 - Trend to Heavier Trucks Continues, Mar 23 p 116
 - Triple-Leasing Bill, Mar 9 p 12; May 4 p 13; June 1 p 13; June 15 p 95; June 29 p 9

 - Motors:**

 - G.E. Type KRX High-Slip Induction, Jan 19 p 25*
 - U.S. Electrical Motors Explosion-Proof, Jan 5 p 29*

 - Mozambique, Portugal to Construct New Railroad in, Feb 2 p 51**

GENERAL INDEX—Continued

[Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡]

Museums:
 B&O. Transportation Museum, June 15 p 18
 C.N.R. Mobile, Apr 20 p 98*
 Shenandoah Central to Operate as, June 22 p 14*
 Mylar, New DuPont Plastic Film, Apr 6 p 8

N

Nashville, Chattanooga & St. Louis:
 Cars, Sleeping (Beauty Sleepers), Apr 6 p 78*; May 18 p 153*
 Dieselization Completed, Mar 2 p 9
 Oldest Freight Traffic Agent?, Jan 26 p 54

National Association of Railroad & Utilities Commissioners I.C. Act Amendment to Give I.C.C. Power to Order Abandonment of Unprofitable Intrastate Services Proposed, Mar 23 p 9

National Association of Shippers' Advisory Boards: Perfect Shipping Campaign, Mar 30 p 9*

National Carbon Company: Preformed Spectroscopic Electrodes, May 18 p 114*

National City Bank of New York: Compilation of Comparative Earnings of Some 70 Major Industries, Apr 20 p 69*†

National Defense:
 Chicago Railroads' Plan, Importance of, June 15 p 11
 New Orleans Roads Map Civil Defense Plans, May 18 p 18
 Value of Pin-Point Bombing of Strategic Transportation Installations, June 15 p 11

National Federation of Financial Analysts Societies: Transport Forum, Apr 20 p 11

National Industrial Traffic League: D.K. Shoemaker Named Assistant Secretary, June 15 p 16

National Malleable & Steel Castings Company: Award Offered for Paper to be Presented at Pan American Railway Congress, Feb 9 p 11

National Mediation Board:
 Annual Report for 1951-52, Feb 9 p 12
 Appropriation for 1953-54, Jan 19 p 17
 C.G.W. Operating Unions' Grievance Strike Negotiations, Feb 2 p 16; Feb 9 p 15; Feb 16 p 17; Mar 9 p 13; Mar 16 p 14
 Emergency Board Procedures, Seeks to "Revitalize", Feb 9 p 12; Mar 16 p 12
 Employee Representation Elections, May 18 p 16
 Grievance Problem Called Soluble, Apr 13 p 18
 O'Neill, F.A., Jr., Reappointed to, Feb 9 p 18

National Production Authority:
 Control System, New, for Defense Materials Only, Mar 30 p 23
 CMP Controls Relaxed, Jan 5 p 12; Feb 16 p 12; Feb 23 p 19; To be Terminated, Mar 30 p 23
 Railroads MRO Order Revoked, June 1 p 89

National Railroad Adjustment Board:
 Special System Boards Set Up, Mar 16 p 14; Apr 13 p 18
 Unions Kill Two Supplemental Boards Working with Division I, Mar 16 p 14; Apr 13 p 18

National Railroad Police Academy Conducted by A.A.R. Protective Section, June 29 p 18

National Railways of Mexico:
 Cars Built in Switzerland in Service, May 4 p 7
 Operations in 1952, Jan 12 p 23*
 Sleeping Car Service Between St. Louis and Mexico City, Jan 19 p 47

National Safety Council:
 Railroad Safety Contest Winners, May 18 p 13; Correction, May 25 p 13
Railway Age Wins Safety Award, May 18 p 8
 St.L.S.F. Adopts Color Recommendations, Jan 26 p 52

National Supply Company: To Aid Dutch Manufacturers in Producing Diesel Locomotives, Mar 2 p 20

Nebraska Intrastate Rates, I.C.C. Report on, Feb 23 p 60

NeoCoat and NeoPrime, Pennsalt Corrosion-Resistant Coatings, May 18 p 114

Net Income:
 A.A.R. Monthly Figures: November, Jan 19 p 15; December, Feb 16 p 12; January, Mar 16 p 9*; February, Apr 13 p 10; March, May 11 p 15; April, June 8 p 11
 I.C.C. Monthly Figures: September, Jan 26 p 65; October, Mar 23 p 125; November, Apr 27 p 26; December, May 18 p 191; January, June 15 p 152; February, June 29 p 64

Percent of 1952 Revenues Converted to, Feb 23 p 17

Net Railway Operating Income:
 A.A.R. Monthly Figures: November, Jan 19 p 15; December, Feb 16 p 12; January, Mar 16 p 9*; February, Apr 13 p 10; March, May 11 p 15; April, June 8 p 11
 I.C.C. Monthly Figures: September, Jan 26 p 65; October, Mar 23 p 125; November, Apr 27 p 26; December, May 18 p 191; January, June 15 p 152; February, June 29 p 64

Percent of 1952 Revenues Converted to, Feb 23 p 17

Ratio to Total Operating Revenues, Jan 12 p 148* Years 1943-52, Jan 12 p 148

Net Working Capital, 1945-52, Jan 12 p 149

Netherlands Railways: Three American Manufacturers to Aid Dutch Manufacturers in Producing Diesel Locomotives for, Mar 2 p 20

New England Industry, Second Annual Transportation and Traffic Management Conference for, May 18 p 173

New England Shippers' Advisory Board Meeting, Apr 6 p 12

New Jersey & New York: Reorganization Plan Approved by I.C.C., Apr 13 p 22

New Jersey Municipalities Seek Mileage Tax on Heavy Trucks, Jan 5 p 8

New Jersey Municipalities Want to Share in Motor Vehicle Tolls, Jan 5 p 8

New Orleans Railroads Map Civil Defense Plans, May 18 p 18

New York Air Brake Company: Annual Report, Mar 2 p 20

New York Central:
 Advertisement on Need for Removing Money-Losing Trains, June 29 p 15*
 Asks I.C.C. to Determine Whether Employees of Dispatch Shops May Receive Free Transportation, Feb 16 p 16

B&A. Back Bay Yards Sold, Feb 23 p 16
 Collision Near Conneaut, O., Apr 6 p 13
 Detroit-Cincinnati Coach Fares Reduced, June 22 p 16
 Diesel Locomotive Shop at Minoa, Mar 9 p 94*
 Dieselization Program, Status of, Apr 20 p 100
 Dining Car Service, Low-Cost, on "Empire State Express", May 11 p 10
 Disposal of New York City Real Estate Holdings Studied, Feb 9 p 91
 "Manhattan Trip Tickets", Jan 19 p 47
 N.Y.S.&W. Sued Over Per Diem Rates, Mar 16 p 10
 Organizational Structure of Operating Department Being Streamlined, Mar 30 p 28; Apr 20 p 106; Equipment Department, May 11 p 30
 Prefabricated Shop Buildings, Mar 9 p 94*
 Rate Charts Speed Finding of Passenger Rates, May 18 p 160*
 Research Group Created, June 1 p 90*
 Suburban Train Service Expanded, Mar 9 p 11
 Ticket Sale and Reservation System, New, Feb 2 p 12; Ticket Available Board, Apr 27 p 22*; May 18 p 144*; June 1 p 16*

To Drop Some "Beeliners", Mar 30 p 12
 Transcontinental Sleeper Service, Faster, June 15 p 13
 "Twentieth Century" on 16-Hour Schedule, Apr 27 p 14
 Window Signs, Adhesive, May 18 p 154*

New York, Chicago & St. Louis: Supreme Court Ruling on Boss' Choice of Work Plan as Justification for Submission to a Jury of a Negligence Allegation, Mar 23 p 14

New York City: Conveyor Belt System for Use in Subways; "Mock-Up" Tested, Apr 27 p 6

New York City Transit System:
 Application of the Train Identification System to, Mar 23 p 76*
 Cars Needed by: S. H. Bingham on, May 25 p 21

New York, New Haven & Hartford:
 Boston Fares for New Suburban Station, May 11 p 10; June 15 p 14
 Cars, RDC, Article by G. W. Prance on, Feb 2 p 8
 Cars, RDC, Develop Traffic, Jan 12 p 185
 Cars, Tavern-Bar-Coach, May 18 p 18, p 157*
 Cases of Suspected Sabotage Reported, Feb 2 p 48
 Contest for Control, Mar 9 p 8
 Diesel-Car Crew Given F.R.P. Award, Mar 2 p 19; Mar 16 p 23*

Diesel Service to be Substituted for Electric Service Between South Norwalk, Conn., and Danbury, Mar 9 p 18

Directorate Increased to 21 Members, Apr 13 p 22
 "East Wind," Operated with B&M., Apr 20 p 16
 "Federal" Runs Through Gates at Washington Union Station, Jan 19 p 18; Fast Restoration Job for Inauguration, Jan. 26 p 14*; Senate Hearings on Crash Jan 26 p 55; I.C.C. Hearings, Feb 2 p 18; I.C.C. Report, Feb 23 p 18

F.R.P. Passenger Service Award Won by, Mar 30 p 21; Apr 6 p 88*

Freight Distribution Center in the Bronx, Feb 2 p 14*
 L.C.L. Motor Truck Service at Providence, Feb 2 p 15
 Locomotives, Rectifier Type, Jan 5 p 12*; June 22 p 16*

New York City's Liens Against Properties, Supreme Court Decision on, Feb 16 p 12

Station, Passenger, Near Canton, Mass., May be Built, Mar 2 p 7; Mar 9 p 18

Supreme Court Upholds Claims for Lost Baggage, Mar 23 p 13; June 29 p 13

Trains, 42, to be Added, Apr 20 p 15

Wins Injunction Against Teamsters Union in Trailers-on-Flat-Cars Suit, Apr 13 p 18

Withdraws from That Portion of the Section 5a Agreement Which Relates to the Fixing of Per Diem Rates, June 22 p 13; Correction, June 29 p 16

Wrecking Crane Converted to Diesel, June 22 p 31*

New York Public Service Commission: Staten Island Rapid Transit; Partial Abandonment of Passenger Service Approved, Jan 5 p 18

New York Railroad Club:
 Effect of Atomic Power on Freight Traffic, Jun 15 p 14
 International Business Outlook; W. R. Herod on, Mar 30 p 22

Railroad Transportation at Fairless Works of U.S. Steel Corporation Described for, Jan 26 p 17*
 [Roy V.J. Wright Essay Contest: Fifth Contest Announced, Feb 9 p 17; Winners of Fourth Contest, Mar 9 p 12; Mar 16 p 20]

New York Society of Model Engineers: Annual Exhibit, Jan 5 p 15

New York Society of Security Analysts: Great Northern Tells Why Passenger Service Is Important, June 1 p 61*

New York, Susquehanna & Western:
 Connection with P.R.R. in Jersey City Opened, Jan 19 p 16
 Norton, H. K., Elected President, June 1 p 88*, p 89
 Per Diem Rates Increased, Mar 23 p 17
 Reorganization Completed Feb 16 p 55; Apr 6 p 101; June 1 p 88*

Sued by N.Y. C. Over Per Diem Rates, Mar 16 p 10
 News Briefs, Jan 19 p 47; Jan 26 p 52; Feb 16 p 14; Mar 2, p 20; June 15 p 133
 Newsprint, Study of Transportation Factors Involved in the Marketing of, Jan 5 p 14

Niagara Junction Gets New Electric Locomotives for 60th Anniversary, Mar 30 p 15*

Nichols Dome Unloading Device for Tank Cars, Mar 9 p 103*

Nickel-Plating Process, New ("Kanigen"), Mar 23 p 120
 Non-Operating Employees Covered by Union Shop Agreements, Per Cent of, Mar 16 p 7

Non-Operating Unions Seek Fringe Benefits, June 1 p 17

Nordberg Hydraulic Spike Puller, Mar 9 p 105*

Nordberg Tie Drill, Mar 9 p 110*

Norfolk & Western:
 Better Service Conference, Apr 13 p 13*
 Controlling Hot Boxes, June 15 p 103*
 Freight Sales and Service Staff Meeting, Mar 9 p 14

Norfolk Southern:
 Free Transportation Complaint Filed by Department of Justice, May 11 p 11
 I.C.C. Investigation; Examiner Urges Tighter Expense Account Rules, Apr 20 p 13; Free Transportation Complaint, May 11 p 11
 Self, C.M., Elected President, Feb 23 p 8*, p 58

Northeastern University: Transportation and Traffic Management Conference May 18 p 173; June 15 p 13

Northern Pacific:
 Car, Refrigerator-Merchandise, Mar 16 p 11*
 Freight Traffic Correspondence Course, May 18 p 15; June 22 p 15

Growth of Agricultural Towns on, May 4 p 9
 Industrial Development Department Reorganized, May 18 p 201

"North Coast Limited," to Re-equip, May 18 p 102*
 Oil Developments, Apr 6 p 8; May 4 p 17
 Rail, Welded, to Lay More, Jan 26 p 58

Northwest Shippers' Advisory Board Meeting, May 18 p 173
 Northwestern University Railroad Management Forum, Feb 9 p 17; Mar 23 p 16*; Apr 6 p 13; Apr 20 p 69*†

Norwegian State Railways, New Electrification Plan for, Mar 23 p 142

Nylon Bearing Hinge, Getty, May 18 p 164*

O

Ocean Steamship Company: Railroads Not Allowed to Cancel Joint Rates and Through Routes on Service Between New York and Savannah, June 29 p 13

Office Equipment:
 Bruning Model 10 Copyflex, June 29 p 36*
 Commercial Model FTM Flexowriter, June 29 p 36*
 Electronic Equipment, R.S.&P.A. Forum on, May 4 p 74*

I.B.M. "Wireless" Paging System, May 18 p 164*
 Punch Card Equipment, R.S.&P.A. Workshop Discuss, Mar 9 p 129*

Railroads Attack Paperwork Costs, Jan 12 p 200*
 St. L.S.F. Equipment for New File Bureau, Mar 23 p 78*

S.P. Round Table Work Unit and Self-Correcting Division Board for Handling Waybills, Feb 2 p 42*

Office Methods and Procedures: R.S.&P.A. Annual Meeting, Mar 23 p 118; Mar 30 p 22; May 4 p 74*

Office of Defense Mobilization:
 Certificates Granted for Amortization of Defense Facilities, May 11 p 23; May 18 p 169

CMP Controls Relaxed, Feb 23 p 19; To Be Terminated, Mar 30 p 23

Defense Production Administration Functions Transferred to, Feb 16 p 23

Expansion Goal for Road and Terminal Facilities Increased, May 11 p 23

Flemming, Dr. A. S., Acting Director, Feb 16 p 13

Quarterly Report of the Director, Jan 12 p 12

Officer Retirement Plans Still Short of Perfection, Mar 9 p 867

Ohio:
 Axle-Mile Tax Considered in, June 8 p 5
 Committee for Belt Conveyor Legislation Set Up in, Feb 2 p 8; Legislation Withheld, June 22 p 11
 Interurban History Virtually Concluded, Apr 20 p 17*

Ohio Edison Company: Plymouth Diesel Locomotive Replaces Trolley Freight Motor, Apr 20 p 17*

Ohio Tool & Engineering Co: Pipe Cleaner, Apr 6 p 50*

Ohio Valley Transportation Advisory Board Meeting, Mar 23 p 116

Oil Developments on the N.P., Apr 6 p 8; May 4 p 17

Oil Imports, Railroads Joint Flight on, Mar 9 p 13

Oils, Lubricating, for Diesel Engines, Arguments for and Against Mixing of, Feb 2 p 14

Omar, Incorporated: Covered Hopper Cars to Handle Flour, June 15 p 13

Onan Air-Cooled Generating Plant, Apr 20 p 64*

January 1—June 30, 1953

RAILWAY AGE—Index

xiii

Operating Efficiency:
Balance Between Tonnage and Train Frequency, June 15 p 130
Freight and Passenger Service Performance, 1942-52, Jan 12 p 155
Year 1952 at a Glance, Jan 12 p 7*; Correction, Jan 19 p 7
Operating Rules: Bill to Give I.C.C. Authority Over, Feb 2 p 17; Apr 20 p 12; May 4 p 49*
Operating Studies:
Cars, Rail Diesel, Mar 23 p 70*
D.R.G.W. Cost Control Methods, Apr 6 p 62*
G.N. Tackles "Head-End" Delays, Mar 9 p 115*
How Railroads are Improving Yard and Terminal Operations, Jan 5 p 35*
Operations Research in Distributing Empty Cars, Apr 20 p 73*; in Finding Efficient Yard Capacity, Apr 20 p 75*
Operation of Trains: Controlling the Speed of Long Freight Trains, Jan 26 p 48*
Operations Research Technique: Applied by Melpar, Inc., Apr 20 p 71*; p 73*, p 75*
Order of Railroad Telegraphers Calls Off Strike Against D.L.&W., June 15 p 134
Ore Movement on Great Lakes Gets Early Start, May 11 p 7
Organization of Railroads:
M. St. P. & S.S.M. Traffic Department Organization, Apr 6 p 65*
N.Y.C. Streamlines Operating Department Structure, Mar 30 p 28; Apr 20 p 106; Equipment Department, May 11 p 30

P

Pacific Coast Transportation Advisory Board Meetings, Mar 30 p 22; June 20 p 15
Pacific Electric Passenger Service Sold to Western Transit Systems, Inc., Mar 16 p 22
Pacific Great Eastern: Absorption by C.N.R., and C.P.R. Forecast, Jan 26 p 13
Pacific Northwest Shippers Advisory Board Meeting, Apr 6 p 100
Packaged Lumber, A.W.P.A. Report on, May 4 p 88
Pad, Raor Tie, Mar 9 p 109
Paging System, I.B.M. "Wireless", May 18 p 164*
Paint, Dulux Direct-to-Metal, for Freight Cars, Jan 19 p 2
Paint, Sherwin-Williams Quall-Kote, May 18 p 161*
Paint Stripper for Bridges, Turco Chemical, May 4 p 48*
Pakistan:
Seeks Bids for Diesel-Hydraulic Switching Locomotives for East Bengal Railway, Feb 16 p 17
United Nations Regional Railway Training Center to be Established at Lahore, Mar 23 p 142
Pallet, Econoweld Steel, Jan 26 p 33*
Pallet Trucks, Clark "Powerworker", Feb 2 p 29*
Pan American Railway Congress Association:
Eighth Congress:
Address of J. K. Knudson, June 29 p 16
Argentine Awards, Special Rules for, Mar 30 p 22
Awards for Technical Papers to be Presented at, Feb 9 p 11; Feb 16 p 16; Feb 23 p 59; Mar 30 p 22
Badges to be Issued for, May 18 p 171
Cartoon "Welcome Amigos", June 15 p 11*
Delegates Greeted by W. T. Farley, June 15 p 14*
Importance of International Friendship, June 29 p 39
Opening of, June 22 p 9*
Next Session to be in Buenos Aires, June 29 p 11 Weeks, Sinclair, and J. M. Cabot Named Members of U. S. National Commission, June 8 p 12
Panama Seeks Loan to Expand Railroad, Mar 30 p 26
Panel, Push-Button Inspection, for Checking Passenger Car Heating and Cooling Systems, June 1 p 51*
Panels, Electro-Motive All-Metal, for Diesel Locomotives, Feb 23 p 27*
Paper Plates, Bowes Plastic, May 18 p 162*
Paper Work Costs, Railroads Attack, Jan 12 p 200*
Paper Work, Railroads Should Streamline, Says J. R. Staley, Apr 6 p 13
Parcel Post Rates:
Bill to Repeal Laws Authorizing the Postmaster General, with Approval of I.C.C., to Revise, Feb 2 p 14; p 17
Increase, Revised Proposal for an, Mar 9 p 14; Mar 16 p 14; Apr 20 p 16; May 11 p 13; Approved by I.C.C., June 22 p 11
Sen. Carlson Hopes I.C.C. Will Defer Action on Increase in, Feb 2 p 15
Surcharge on Oversize Packages; Effective Date of Order Postponed, Mar 2 p 5; Order Cancelled, Mar 16 p 14; June 22 p 11
Parmelee Transportation Company:
Centennial of, May 18 p 132*
I.C.C. Report on Status of, May 18 p 12
Passenger Business:
A.T.&S.F. Makes Money with RDC Cars, Jan 19 p 31*
Budd Siesta Coach As an Aid to, June 1 p 59*
C.M.S.P.&P. School Deluxe, Apr 6 p 93
Florida Vacation Travel, Pattern of, Mar 23 p 9
Hertz Advertising To Feature Rail-Auto Travel, Mar 30 p 7
Merchandising Techniques Improved in 1952, Jan 12 p 185*
Military Travel Loss Serious, May 11 p 14; May 18 p 134
P.R.R. Expands Suburban Service to Increase, June 1 p 14; June 29 p 13
RDC Cars as a Developer of, Jan 12 p 185*
Railroads Encourage Camera Fans, June 29 p 43*
Rapid Transit Boom; S. D. Forsythe on, Mar 30 p 7

Passenger Fares:
C.A.B. Drops Investigation of, May 25 p 10
C.&N.W. and C.N.S.&M. Granted Suburban Fare Increases, Jan 26 p 53; Mar 9 p 8
Comparison of Rail, Air and Motor Coach Fares in 1951, Feb 2 p 49*
D.L.&W. Increases Boonton Branch Fares, June 29 p 9
Detroit-Cincinnati Coach Fares Reduced by N.Y.C. and B.&O., June 22 p 16
Developments in 1952, Jan 12 p 151, p 163
Eastern Roads Extend Group Economy and Family Fares, June 15 p 14
Furlough Fares Extended, Jan 5 p 14; June 1 p 8
I.C.C. Granted Suburban Fare Increases, June 29 p 16 Increases Since 1947 Fail to Hold Revenue, June 15 p 15
N.Y.C. "Manhattan Trip Tickets", Jan 19 p 47
N.Y.C. Rate-Finding Charts, May 18 p 160*
N.Y.N.H.&H. Granted Boston Fares for New Suburban Station, May 11 p 10; June 15 p 14
P.R.R. to Cut Fares in Philadelphia Area, June 15 p 14
Rates That Produce Profits; C. E. Peterson on, May 18 p 141*
Southwestern Roads Seek Increase, Jan 12 p 151
Passenger-Miles:
Rail and Air Line, in 1952, May 25 p 10
Years 1943-52, Jan 12 p 147*

Passenger Reservations:
A.T.&S.F. Diagrams Include Sheets Showing Train Schedules, May 18 p 153*
Intrafax System Used on P.R.R., May 18 p 147*
Microfilm Used by P.R.R. to Speed Search for Routes and Fares, May 18 p 147*
System, New, on P.R.R. and N.Y.C., Feb 2 p 12; Apr 27 p 22*; May 18 p 144*; June 1 p 10*
Ticket Availability Board; N.Y.C., Apr 27 p 22*

Passenger Service:
Arpala, A. F., on Ways of Improving, Apr 6 p 11
B.O. to Use Budd RDC Cars in Pittsburgh Area, Mar 30 p 10
B&A. Replaces Branch Line Train with Diesel Rail Car, Mar 23 p 14*
Better Approach Needed to Solve Problem of, Feb 2 p 38*
Budd, J. M., on, Apr 6 p 58
Budd Siesta Coach Can Improve Standard of, June 1 p 59*
C.&E.I. Joins Hertz Rent-a-Car System, May 18 p 12
C.B.&Q. Introduces New "Kansas City Zephyr" and "American Royal Zephyr", Feb 9 p 71*
Developments During 1952, Jan 12 p 184*
Erie Service Conference on, May 18 p 157
"Extras" Offered by Railroads, May 18 p 122*
Jersey Central Lines Authorized to Discontinue 18 Passenger Trains, Mar 2 p 10
L.I. Train Schedule Questionnaire, May 11 p 15*
Moldet of Public Opinion, Mar 23 p 64†
Needed, A Loud Voice, May 18 p 121†
N.Y.C. to Drop Some "Beeliners", Mar 30 p 12
P.R.R. Assigns Train Supervisors to Improve, Feb 2 p 46*
Rail Travel for Military Personnel Urged, Jan 26 p 54
Rapid Transit Room; S. D. Forsythe on, Mar 30 p 7
Sleeping Car Service, Through, Between St. Louis and Mexico City, Jan 19 p 47
S.P. Abandonment Case Reviewed by California Supreme Court, Apr 13 p 11
Suburban Service:
C.A.E. Seeks to Operate Service in Conjunction with Chicago Transit Authority, June 15 p 12
Cleveland Commuter Railway, Economic Analysis of, Apr 6 p 90
Cocktails for Commuters on N.Y.N.H.&H., May 18 p 18, p 157*
N.Y.C. Service Expanded, Mar 9 p 11
Pacific Electric Service Sold to Western Transit Systems, Inc., Mar 16 p 22
P.R.R. Expands, June 1 p 14; June 29 p 13
P.R.R. Station Changes at Camden, N. J., Could Form Link in Future Integrated Transit System, Feb 16 p 47*
Philadelphia's Railroads "Rescue" Thousands Stranded by Transit Strike, Jan 26 p 12*
Train Identification System Application to, Mar 23 p 77*
Suggestions for Selling, May 18 p 148*
Ticket Sales and Reservation System, New, on P.R.R. and N.Y.C., Feb 2 p 12; Apr 27 p 22*; May 18 p 144*; June 1 p 16*
Transcontinental Sleeper Service, Faster, June 15 p 13
Travel Credit System on C.I.&L., May 18 p 13
U.A.L. Tariffs for More Spacious Air-Coach Service Suspended by C.A.B., Mar 2 p 11
What's Interesting and New in, May 18 p 150*
Why It Is Important to the Great Northern, June 1 p 64*

Passenger Service Deficit:
Better Approach Needed to Solve, Feb 2 p 38*
Newell, J. P., on, Jan 26 p 46*
Peterson, Claude E., on, May 11 p 14
Traffic Analysis Helps Erie to Reduce, June 1 p 68*
Year 1951, Revised Table Showing Distribution of, May 25 p 12*
Year 1952, May 18 p 8; May 25 p 11
Passenger Stations (See Stations, Passenger)
Passenger Traffic:
Air and Rail in 1952, May 25 p 10
Air Line, in 1952, Jan 5 p 11
Average Load by Rail, Air and Bus in 1952, June 15 p 16

Passenger Traffic:—(Continued)
Better Approach Needed to Solve Problem of, Feb 2 p 38†
Hauling Passengers at Freight Rates, Mar 23 p 64†; May 18 p 122†
Inauguration Traffic, Railroads' Handling of, Jan 5 p 14; Jan 19 p 45; Feb 2 p 13*
N.Y.C. to Drop Some "Beeliners", Mar 30 p 12
Traffic Analysis Helps the Erie Secure Authority to Reduce Money-Losing Trains, June 1 p 68*
Passenger Transportation Tax Repeal Advocated, Apr 6 p 11
Passengers are Friendlier, Mar 23 p 64†
Passes:
Free Transportation Complaint Against Norfolk Southern, May 11 p 11
N.Y.C. Asks I.C.C. to Determine Whether Employees of Despatch Shops May Receive, Feb 16 p 16
Unauthorized, I.C.C. Investigation of, Feb 16 p 16
Pennsalt EC-54 High Flash Point Emulsion Cleaner, Feb 23 p 27
Pennsalt NeoCoat and NeoPrime, May 18 p 114
Pennsylvania:
Angle Cock Locking Device to be Installed on Certain Passenger Cars, Feb 16 p 8
Claim Prevention Car Borrowed from U.P., May 18 p 18
Commutation Service Rendered During Philadelphia Transit Strike, Jan 26 p 12*
Dieselization Program, Status of, June 8 p 19
Fares in Philadelphia Area to be Cut, June 15 p 14
"Federal" Runs Through Gates at Washington Union Station, Jan 19 p 18; Fast Restoration Job for Inauguration, Jan 26 p 14*; Senate Hearings on Crash, Jan 26 p 55; I.C.C. Hearings on, Feb 2 p 18; I.C.C. Report on, Feb 23 p 18
Hot Boxes, Investigation of Causes of, May 4 p 54
Intrafax Passenger Reservation System, May 18 p 147*
Meals, Low-Calory, Offered by, May 18 p 152
Microfilm Used to Search for Routes and Fares, May 18 p 147*
Motion Picture "The Breaking Point", Apr 27 p 6
N.Y.S.W. Jersey City Connection, Jan 19 p 16
Penn Center Development Planned for Site of Old Broad Street Station, Feb 9 p 8; May 25 p 22
Philadelphia-South Jersey Commutation Service, Station Changes at Camden Could be a Step Toward Integration of, Feb 16 p 47*
Schedule Changes, Apr 27 p 14
"Speak Up, Railroader" Booklet, Feb 2 p 8; Feb 16 p 17*
Station Changes at Camden, N. J., Feb 16 p 47*
Suburban Service Expanded, June 1 p 14; June 29 p 13
Supervisors Assigned to Trains to Improve Service, Feb 2 p 46*
Supreme Court Rules Car-Float Employee is Covered by Harbor Workers' Compensation Act, Feb 2 p 49
Ticket Office, New, in Philadelphia, Apr 6 p 17*
Ticket Sale and Reservation System, New, Feb 2 p 12; May 18 p 144*
Track Sweeper, Jan 5 p 15*
Train Departure Bulletin Board, Feb 9 p 65*
Train Starting Indication Panel, May 18 p 157*
Training Course for Passenger Conductors and Trainmen, Apr 13 p 11*; May 18 p 161*
Unusual Shipments, Apr 27 p 20*; May 4 p 16*
Vending Machines Prove Successful, May 18 p 160*
Pennsylvania Motor Truck Association Files Antitrust Suit Against the Eastern Railroads, Jan 26 p 17; Feb 2 p 33†; Mar 30 p 14; Apr 20 p 8; June 1 p 8; June 29 p 7
Pennsylvania Salt Manufacturing Company: EC-54 High Flash Point Emulsion Cleaner, Feb 23 p 27
NeoCoat and NeoPrime Anti-Corrosion Coatings, May 18 p 114
Pension Plan of B.&O., May 4 p 64*
Pension Plans for Officers Still Short of Perfection, Mar 9 p 86†
Peoria & Pekin Union: First Diesel Locomotive Built with Caterpillar Diesel Engines Retired from Service, Apr 6 p 12*
Per Diem Rates:
Graduated Rate, An Incentive to Buy Cars, Apr 6 p 66*
Increase Recommended, May 25 p 7; June 1 p 14
N.Y.C. Sues N.Y.S.W. on, Mar 16 p 10
N.Y.N.H.&H. and B.&M. Withdraw from That Portion of the Section 5a Agreement Which Relates to, June 22 p 13; Correction, June 29 p 16
N.Y.S.W. Increases, Mar 23 p 17
Perfect Shipping Campaign, Mar 30 p 9*; Apr 6 p 13, p 61* Apr 27 p 6
Perishable Conference to be Held at University of California, Jan 19 p 46
Perishable Freight Agents Association of New York: Officers, Feb 16 p 17
Perishable Handling: "Super Service" to Chicago; A.T.&S.F., Apr 20 p 15; June 15 p 11; June 22 p 25*; U.P., May 11 p 10
Perishable Loss and Damage Course at Purdue, Mar 9 p 13
Petersen Automatic Rate Calculator, May 18 p 141*
Petroleum Products Rate Reduction Approved by I.C.C., Because of Threat to Build Pipe Line, Feb 9 p 13
Philadelphia Passenger Association: Officers, Apr 6 p 96
Philadelphia-South Jersey Area, Commutation Service, Station Changes at Camden Could be a Step Towards Integration of, Feb 16 p 47*
Philco Corporation: A.T.&S.F. Microwave Installation, Feb 2 p 23*
Photograph Fans Encouraged by Railroads as an Aid to Increasing Passenger Business, June 29 p 43*

GENERAL INDEX—Continued

[Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡]

Photographic Review of 1952, Jan 12 p 165*; Correction, Feb 16 p 15

Pick-Up and Delivery Charges on Uniform Basis Authorized in Official Territory by I.C.C., May 18 p 14

Pictorial Review of 1952, Jan 12 p 165*; Correction, Feb 16 p 15

"Piggy Backs" (See Trailers-on-Flats Service)

Pipe Cleaner: Ohio Tool & Engineering Co., Apr 6 p 50*

Pipe Line Threat Causes I.C.C. to Approve Petroleum Products Rate Reduction, Feb 9 p 13

Pittsburgh & West Virginia: Employee Representation Election, May 18 p 16

Pittsburgh Steel Products Company: Collapsible Containers for Handling Mail and Express, Mar 9 p 115*

Plastic Dishes, A Place for, Apr 20 p 84*

Plastic Enterprises: Adhesive Window Signs, May 18 p 154*

Plastic Film: DuPont Mylar, Apr 6 p 8

Plastic Headrest Used by C.N.R., May 18 p 152*

Plastic Paper Plates, Bowes, May 18 p 162*

Plastic Sewer Joint Compound (Sewertite), Mar 9 p 104*

Plastic Window Signs, May 18 p 154*

Plates, Bowes Plastic Paper, May 18 p 162*

Platform, Nichols Unloading, for Oil Stations, Mar 9 p 103*

Plymouth Diesel Locomotive Replaces Trolley Freight Motor on Ohio Edison Company Line, Apr 20 p 17*

Poem: The Calf's Path, May 18 p 119

Police Academy Conducted by A.A.R. Protective Section, June 29 p 18

Police, Railway, Annual Meeting of, June 1 p 14; June 15 p 8

Pool of Diesel Locomotives Proposed, Apr 13 p 5; Apr 27 p 5; May 18 p 8

Pooling Plan for L.C.L. Shipments: Rochester, Jan 26 p 53; Griffin, Apr 6 p 13, p 75*

Port of New York Authority: Ruining the Big Cities: Mar 16 p 19†

Portland Shingle Company: Borgina; Boiler Water Treatment, Mar 9 p 109

Portugal to Construct New Railroad in Mozambique, Feb 2 p 51

Power Plants (See Generators)

Power Supply Unit, 12-Volt d.c.; Federal Telephone & Radio Corp., June 1 p 51*

"Powerworker" Pallet Trucks, Clark, Feb 2 p 29*

Prall, B.R.: Plight of Small Lots Shows Need for De-Regulation, June 1 p 58†

President Eisenhower:

- Favors St. Lawrence Seaway, Apr 27 p 9
- Railroad Executives Call on, Feb 16 p 16
- State of the Union Message Recommends Curtailment of Controls, Feb 16 p 12

President Truman:

- Budget Message: Jan 19 p 14, p 17, p 18
- St. Lawrence Seaway Comment in Budget Message, Jan 19 p 14

Price Discrimination, Justifiable, June 1 p 57†

Price Index, B.L.S. to Resume Compilation of "Old Series", Mar 9 p 15

Prices:

- Increases Compared with Increases in Wages and Rates Since 1950, May 25 p 9
- Material Price Index, 1939-52, Jan 12 p 151
- New Mill Prices for, May 18 p 176
- Stock Prices in 1952, Jan 12 p 188

Pricing (See Rate Making; Rate Structure)

Prime-Mover Materials Handler, Snow Plow Attachment for, Mar 9 p 110*

Private Enterprise (See Free Enterprise)

Propane Gas Used by U.P. in Gas-Turbine Locomotive, Feb 2 p 50; June 22 p 6

Prospects for 1953, Jan 12 p 8

Public Opinion: Southern Pacific Survey, Mar 23 p 64†

Public Relations:

- C.M.S.P.&P. Program for Publicizing Super Dome Cars, Feb 23 p 52*
- More "Plain Talk" Needed, Says D.I. Mackie, Apr 27 p 14
- Railway Age to Continue to Report the "Customer Angle", Jan 5 p 33†
- St.L.S.W. Sends Blotters to Missing Shippers, May 25 p 12*

Public Relations Officers Hold First Annual Meeting, June 1 p 18; June 29 p 54*

Public Utilities, Regulatory Concept for; Sen. C. W. Tobey on, Feb 23 p 15

Pullman Company:

- "Beauty Sleepers", Apr 6 p 78*; May 18 p 153*
- Division Winners of N.S.C. Awards, May 18 p 13; Correction, May 25 p 13
- Rate Increases in 1952, Jan 12 p 152
- "Service Is Your Business"; Motion Picture, May 18 p 156*

Pullman-Standard Car Manufacturing Company:

- "Beauty Sleepers", Apr 6 p 78*; May 18 p 153*
- Car, All-Welded Covered Hopper, Mar 9 p 119*
- Car, Flat, for Handling Trailers, June 1 p 10*
- C.I.&L. Covered Hopper Cars, June 15 p 13*
- Cushion Underframe Shown at National Materials Handling Exposition, May 25 p 13
- Q.N.S.&L. 95-Ton Ore Cars, May 25 p 20*
- S.P. All-Steel Welded Ballast Cars, Mar 9 p 90*
- T.P.&W. Box Cars, June 15 p 145*

Punch-Card Equipment, R.S.&P.A. Workshops Discuss, Mar 9 p 129*

Punch-Card Tickets Developed by Southern and I.B.M., May 18 p 127*

Purchases:

- Communities Benefited by, May 25 p 14
- Equipment: December and Year, 1952, Jan 5 p 15; Jan 12 p 183; January, Feb 2 p 51; February, Mar 2 p 23; March, Apr 6 p 100; April, May 4 p 17; May, June 8 p 19
- Maintenance of Way Work Equipment; Estimates for 1953, Mar 9 p 96
- Maintenance of Way Work Equipment in 1952, Jan 12 p 198*
- Monthly: January, Apr 20 p 88; March, June 15 p 118
- Outlook for 1953, Jan 12 p 183
- Year 1952 (*Railway Age Estimate*), Jan 12 p 181*
- Years 1943-52 (A.A.R. Figures), Jan 12 p 7*, p 153; Years 1923-52, Apr 13 p 9

Purdue University Course on Perishable Losses, Mar 9 p 13

Pyle-National Diesel Locomotive Control Jumper, Feb 16 p 33*

Pyle-National Gyralite Warning Lights, Jan 12 p 137*

Pyle-National Pit and Subway Floodlights, Apr 20 p 64

Q

Quali-Kote Paint, May 18 p 164*

Quebec, North Shore & Labrador:

- Cars, 95-Ton Roller Bearing Ore, May 11 p 11*; May 25 p 20*
- Fast Way to Lay New Track Developed, Apr 6 p 72*

Questions and Answers for the Transportation Department, June 22 p 24

R

Racor Snow Blower, June 8 p 18*

Racor Tie Pad, Mar 9 p 109

Radio:

- A.T.&F. Microwave Installation; Galveston, Tex.-Beaumont, Feb 2 p 35*
- New Uses for, Jan 12 p 218
- BCA Test Meter for Mobile Two-Way Radio, Feb 9 p 65*
- S.T.L.-S.F. Uses Walkie-Talkie Radio to Transmit Car Numbers, Feb 2 p 50*
- Westinghouse Microwave Equipment, Apr 6 p 49*

Radio Corporation of America: Test Meter for Mobile Two-Way Radio, Feb 9 p 65*

Radio-Loudspeaker System Used for Car Inspection on S.T.L.-S.F., Feb 23 p 47*

Radio Packset, Bendix MRT-9, June 15 p 92*

Radio Program; "Railroad Hour", Mar 2 p 7; June 15 p 8

Radio-Rules Bill Again Before Congress, Feb 2 p 17; Apr 20 p 12; May 4 p 49†

Radio Train Communication (See Train Communication)

Radio Yard Communication (See Yard Communication)

Rail:

- A.R.E.A. Report on, Mar 23 p 106
- Continuous Welded, A.R.E.A. Report on, Mar 23 p 108
- Continuous Welded, Economics of, Compared with Jointed Track, Mar 23 p 108
- Economic Value of Rail Sizes, A.R.E.A. Report on, Mar 23 p 107, p 108
- Failures, A.R.E.A. Report on, Mar 23 p 107
- Fast Way of Laying; Q.N.S.&L., Apr 6 p 72*
- N.P. to Lay More Welded Rail, Jan 26 p 58
- Prices, New Mill, May 18 p 176
- Renewal Estimates for 1953, Jan 12 p 183, p 212; Mar 9 p 91
- Renewals, 1920-52, Jan 12 p 212*

Rail-Highway Service (See Coordinated Rail-Highway Service)

Rail Motor Cars (See Cars, Passenger)

Rail-Rack Cars Used to Lay Rail on Q.N.S.&L., Apr 6 p 72*

Rail Traffic Association; Officers, June 15 p 133

Rail Transportation Institute, Seventh, Feb 16 p 14; Apr 6 p 11*

Rail Travel Credit System on C.I.&L., May 18 p 13

Railroad and Air Line Wage Board:

- Abolishment of, Feb 16 p 13
- Final Report, Apr 20 p 15

Railroad Corrosion Conference, Fourth, May 11 p 16

Railroad General Agents Association of Los Angeles: Officers, Apr 6 p 96

"Railroad Hour", Continued Popularity of, Mar 2 p 7; Program to Continue, June 15 p 8

Railroad Joint Facility Club of Chicago; Officers, Feb 23 p 23

Railroad Problem Financial, Not Physical, Apr 6 p 12

Railroad Public Relations Association: First Annual Meeting, June 1 p 18; June 29 p 54*

Railroad Retirement Act:

- Dual Benefits Provisions, Problem of, Mar 9 p 11
- Fifth Actuarial Valuation of the Assets and Liabilities Under, May 18 p 16
- Railroad Retirement Board Wants More Experience with 1951 Amendments Before More Changes are Made, Mar 9 p 11

Railroad Retirement Board:

- Appropriation for 1952-54, Jan 19 p 17
- A.A.R. Will Recommend Reappointment of F. C. Squire, Mar 9 p 15

Railroad Retirement Board:—(Continued)

- Fifth Actuarial Valuation Report on the Railroad Retirement System, May 18 p 16
- Operations in 1952, Jan 12 p 157
- Wants More Experience with 1951 Amendments to Railroad Retirement Act Before More Changes are Made, Mar 9 p 11

Railroad Retirement System Operations:

- Annuities and Pensions in Force, Jan 12 p 157
- Financial Operations, 1937-52, Jan 12 p 157
- Payments, Annual Level of, Jan 12 p 157
- Payroll Tax Accruals in 1952, Jan 12 p 157

Railroad Unemployment Insurance System Operations:

- Benefit Payments in 1952, Jan 12 p 157
- Financial Operations, 1939-52, Jan 12 p 158
- Sickness and Maternity Benefit Payments in 1952, Jan 12 p 157
- Tax Accruals in 1952, Jan 12 p 157

Railroads' Tariff Research Group:

- Administrative Committee Changes, Mar 23 p 114
- Progress in Tariff Simplification, Apr 6 p 15
- Questionnaires Sent by, Feb 9 p 21; Mar 30 p 22
- Review of Activities in 1952, Jan 12 p 194*
- Tariff Improvement Bulletins, Jan 26 p 55; May 4 p 15; June 15 p 15
- White, A. M., Appointed to Membership on, Jan 5 p 55; Mar 2 p 25*

Railway Age:

- June Dailies, June 15 p 8
- Lyne, J. G., Wins F.R.P. Journalism Award, Mar 30 p 21; Apr 6 p 88*
- N.S.C. Award Won by, May 18 p 8
- Publishing Policy, New, Feb 23 p 46†
- To Continue to Report the "Customer Angle", Jan 5 p 33†

Railway Business Women's Association:

- Cincinnati Chapter: Officers, June 29 p 18
- Kansas City Chapter: Officers, May 18 p 171*
- St. Louis Chapter: Officers, June 15 p 133
- Washington, D.C. Chapter: Officers, June 15 p 133

Railway Clerk: Railroads Unjustly Blamed, Feb 16 p 38

Railway Development Association of the Southeast: Annual Meeting, Apr 13 p 19; May 11 p 16

Railway Express Agency, Inc.:

- I.C.C. Report on Proposal to Close 176 Stations in Southwest, Mar 30 p 13
- M.P. Seeks Advice of I.C.C. on Renewal of Contract, Mar 2 p 9; Apr 13 p 19; June 8 p 10
- Railroads Will Continue to Operate, June 1 p 16
- Rate Increase Sought, Feb 9 p 15; May 18 p 149*
- Supervisory Training Program, Feb 16 p 52*; May 18 p 162

Railway Labor Act:

- C.R.I.P. Supervisors Brought Under, June 15 p 17
- N.M.B. Seeks to "Revitalize" Emergency Board Procedures Under, Feb 9 p 12; Mar 16 p 12
- Report of Senate Committee on Labor and Public Welfare on Effectiveness of Act in Settling Disputes, Jan 19 p 18

Railway Supply Industry:

- Firms to Receive Safety Awards from the Greater Chicago Safety Conference and Exposition, May 18 p 13
- Newell, J. P., Puts Railroads' Plight in Supply Manufacturers' Language, Jan 26 p 46*

Railway Systems & Procedures Association:

- Annual Meeting, Mar 23 p 118; Mar 30 p 22; May 4 p 74*
- Electronics Forum, Mar 23 p 118; May 4 p 74*
- Workshop on Freight Traffic Statistics, Mar 9 p 129*
- Workshop on Punched Card Mechanical Abstracting for Interline Received Carload Freight, Mar 9 p 129*

Ralston Steel Car Company Withdraws from Freight Car Building Field, Jan 19 p 48

Rapid Transit Boom; S. D. Forsythe on, Mar 30 p 7

Rate Bureaus: Rate Procedures Agreements (See Interstate Commerce Act; Section 5a)

Rate Calculator, Peterson Automatic, May 18 p 141*

Rate Making: (See also Rate Structure)

- Application of Electric Utility Theory to Railroads, Jan 5 p 34†
- Incentive Rates; J. R. Staley on, Apr 6 p 13
- Justifiable Price Discrimination, June 1 p 57†
- Need for Heavy and Fresh Thinking on the Freight Rate Problem, Jan 26 p 37†
- Need for Less Restrictive Regulation in, Jan 19 p 29†; May 4 p 11; June 1 p 58†
- Newell, J. P., on, Jan 26 p 46*
- Supreme Court Rules I.C.C. May Fix Below-Cost Rates, Mar 23 p 11
- Those "Piggy-Backs", Mar 30 p 19†
- Traffic Club of Chicago Legislative Forum Discussion on, Mar 2 p 19; Mar 30 p 13

Rate of Return:

- Estimate for 1953, May 25 p 9
- Weeks, Sinclair, on, June 8 p 9; June 29 p 41†
- Years 1943-52, Jan 12 p 148; Year 1952, Feb 23 p 17

Rate Procedures Agreements, Jan 19 p 15; Feb 16 p 13

- Need for Heavy and Fresh Thinking on the Freight Rate Problem, Jan 26 p 37†

Rate Structure: (See also Rate Making)

- Rate Structure Reform?, Mar 9 p 85†
- Sound Pricing—Most Important of All Problems, Apr 27 p 19†
- Uniform Structure Incompatible with Competitive System, Says A. H. Schwietert, Jan 26 p 16

RAILWAY AGE—Index

Rates, Express (See Express Rates)
Rates, Freight: (See also Rate Making; Rate Structure)
 Bills to Permit Prompt Increases in, Apr 6 p 18;
 May 4 p 9; May 11 p 12; May 18 p 11, p 12;
 June 1 p 13; June 8 p 9
Canadian Railways Being Priced Out of Some Business by Higher Rates, May 11 p 7
Canadian Railways Granted Additional 7% Increase,
 Jan 26 p 16; Mar 16 p 10; **Eight Provinces Seek Cancellation**, of, May 18 p 14
Canadian Rate Cases, Review of, Jan 12 p 234
C&E.I. Truck-Competitive Rate, Supreme Court Upholds I.C.C. Veto of, Jan 19 p 18
Class (See Class Rates)
Department of Commerce to Intervene Less in I.C.C. Rate Cases, Apr 20 p 13
Graduated L.C.L. Rates Favored by Freight Agents,
 June 15 p 114
Hauling Passengers at Freight Rates, Mar 23 p 64†
 'Incentive', Need for, Jan 5 p 34†
Increases Compared with Increases in Wages and Prices Since 1950, May 25 p 9
Increases, Delays in Granting; J. P. Newell on, Jan 26 p 47*; Sen. C. W. Tobey on, Feb 23 p 16; Cost to Railroads, May 11 p 12; May 18 p 11, p 12
Increases in Great Britain and U. S. Since 1938 Compared, Jan 26 p 55; Canada and U. S., Mar 23 p 12
Indexes of Average Rates on Carload Traffic, 1947-51, Apr 6 p 16
Interterritorial Rate Pact Approved by I.C.C., Feb 16 p 13
Intrastate Cases, I.C.C. Reports on, Jan 5 p 12; Feb 23 p 60
Long-and-Short Haul Clause (See Long-and-Short-Haul Clause)
 Need for Heavy and Fresh Thinking on the Freight Rate Problem, Jan 26 p 37†
 Needed—Rates to Reflect Economics of Steady Patronage, Jan 5 p 34†
Official-Southern and Official-Southwestern Divisions Cases, I.C.C. Reports in, Feb 9 p 11; Mar 30 p 22; May 11 p 5; Findings Modified, June 22 p 15
Ogden Gateway Case, I.C.C. Decision in, Feb 2 p 12
Petroleum Products Reduction Approved by I.C.C. Because of Threat to Build Pipe Line, Feb 9 p 13
Rate Advance Cases: I.C.C. Sees No Undue Delay in Decisions, Feb 9 p 86
Rate Advances Cases (Ex Parte 162, 166 and 168): I.C.C. Findings in Intrastate Cases, Jan 5 p 12; Feb 23 p 60
Rate Advance Cases (Ex Parte 175): California Intrastate Increase Denied, Jan 19 p 45
 Railroads Seek to Make Increases Permanent, Mar 23 p 9; Apr 6 p 16, p 100; May 4 p 13; May 25 p 9; June 22 p 16
Review of Developments in 1952, Jan 12 p 151
R.F.C. Reparations Claim Dismissed by I.C.C., Jan 12 p 12
Regulation of; Sen. C. W. Tobey on, Feb 23 p 16; Mar 2 p 17†
Supreme Court Rules I.C.C. May Fix Below-Cost Rates, Mar 25 p 11
Wharfage Allowances to the Army at Norfolk; Case Reopened by I.C.C., Feb 9 p 16
Rates, Mileage (See Mileage Rates)
Rates, Parcel Post (See Parcel Post Rates)
Reading:
 Commutation Service Rendered During Philadelphia Transit Strike, Jan 26 p 12*
 Control of C. of N. J. Approved by I.C.C., Feb 9 p 91
 "Crusader" Checked for Corrosion, June 22 p 17*
Real Estate Holdings in New York City, N.Y.C. Studying Possible Disposal of, Feb 9 p 91
Real Estate Operations on the C.&O., June 15 p 141
Receiving, Railroads in, Jan 12 p 192
Reconstruction Finance Corporation:
 B&O. Charged with Filing False Financial Statements, Jan 12 p 14
 B&O. Reduces Indebtedness, Feb 16 p 54
 B&A. Bonds for Sale, Apr 6 p 103
 G&F. Loan Approved by I.C.C., Feb 16 p 54; Apr 6 p 103
 Reapportionment Claim Dismissed by I.C.C., Jan 12 p 12
Rectifier, Bogue Telegraph, Apr 6 p 50*
Reflectorized Roadway Signs; A.T.&S.F., Apr 20 p 77*
Regulation:
 Bill to End I.C.C.'s Authority to Prohibit Motor Truck Trip-Leasing, Mar 9 p 12; May 4 p 13; June 1 p 13; June 15 p 95
 Congressional Revision; Sen. Bricker on, Apr 20 p 11
 Crisis in; Roland Rice on, June 15 p 13
 Is There Too Much Transport Regulation?; Carriers' Panel Discussion at Chamber of Commerce Regional Meeting at Minneapolis, Jan 5 p 41*
 Legislative Review of 1952, Jan 12 p 150
 Public Utility; Sen. C. W. Tobey on, Feb 23 p 15; Mar 2 p 17†
 Weeks, Sinclair, on, June 8 p 9; June 29 p 41†
 Regulatory Agencies, One or Several, May 11 p 21†
Regulatory Authority, Federal Transportation, Mar 23 p 14; Apr 20 p 12
Regulatory Concept for Public Utilities; Sen. C. W. Tobey on, Feb 23 p 16; Mar 2 p 17†
Relays, Cutler-Hammer Magnetic, May 4 p 46*
Reorganization of Railroads:
 F.E.C. Proceedings, Jan 26 p 58; Mar 30 p 26; May 11 p 13
 Long Island Proceedings, Jan 19 p 50; Feb 16 p 55; Apr 27 p 27
 Meridian & Bigbee River Proceedings, Jan 12 p 18
Reorganization of Railroads:—(Continued)
 Missouri Pacific Proceedings, Jan 5 p 17; Jan 19 p 5; Feb 2 p 53; May 4 p 18; June 8 p 20; June 15 p 142
Missouri Pacific Reorganization Under Mahaffie Act Rather Than Section 77 of Bankruptcy Act Proposed, Feb 9 p 96; Mar 9 p 138; Petition Denied, June 1 p 88; June 22 p 34
 N.J.&N.Y. Proceedings, Apr 13 p 22
 N.Y.S.&W. Proceedings Completed, Feb 16 p 55; Apr 6 p 101; June 1 p 88*
 Supreme Court to Review Question of Whether 1935 Amendments to Section 77 of the Bankruptcy Act Grant I.C.C. Power to Force a Merger in a Railroad Reorganization Case, May 11 p 13
 Wisconsin Central Proceedings, June 22 p 35
Reorganization of the Interstate Commerce Commission (See Interstate Commerce Commission)
Repair Shops (See Shops)
Reparations Cases Involving Government Wartime Freight Rates; Wharfage Allowances to the Army at Norfolk; Case Reopened by I.C.C., Feb 9 p 16
Reparations Claim of R.F.C. Dismissed by I.C.C., Jan 12 p 12
Republic Industries: Dor-O-Matic Door Control, May 4 p 46*
Republicans and the Railroads, June 15 p 97†
Research:
 Hot Box Research Results in the Laudig Iron-back Journal Bearing, Mar 23 p 63*
 Operations Research Technique Applied by Melpar, Inc., Apr 20 p 71*, p 73*, p 75*
 Projects Being Carried on by A.R.E.A. Committees, Mar 23 p 95
Research Center to be Built Near Pittsburgh by United States Steel Corporation, Mar 23 p 122
Research Group Created by N.Y.C., June 1 p 90*
Retirement Plans for Officers Still Short of Perfection, Mar 9 p 86†
Revenue Contribution Between Interstate and Intrastate Traffic, Distribution of; I.C.C. Study, Feb 23 p 16
Revenue Per Gross Ton-Mile, Freight and Passenger, Mar 23 p 64†; May 18 p 122†
Revenue Per Passenger-Mile for Rail, Air and Motor Coach Lines in 1951, Feb 2 p 49
Revenue Per Ton-Mile and Per Passenger-Mile, 1943-52, Jan 12 p 152
Revenue Per Ton-Mile Increase Compared with Increases in Wages and Prices Since 1950, May 25 p 9
Revenue per Ton-Mile of Railroads, Motor Carriers and Air Lines in 1949-52 Compared, Feb 23 p 17
Revenues:
 Comparison of Railroads and Motor Carriers, 1939-51, Feb 23 p 50
 Earnings Per Car Possible with Trailers-on-Flats Service, May 25 p 13
 Industry Comparison of Wage-Revenue Ratio, Jan 19 p 7
 I.C.C. Indexes Show How Rate Changes Affect, Apr 6 p 16
 I.C.C. Study of Relation Between Freight Revenue and Destination Wholesale Value of Commodities, Apr 6 p 16
 Percent Converted into Net Railway Operating Income and Net Income in 1952, Feb 23 p 17
 Ratio of Net Railway Operating Income to, Jan 12 p 148*
 Ton-Mile Revenues of Railroads, Motor Carriers and Air Lines Compared, Feb 23 p 17
Revenues and Expenses:
 A.A.R. Monthly Figures: November, Jan 19 p 15; December, Feb 16 p 12; January, Mar 16 p 9*; February, Apr 13 p 10; March, May 11 p 15; April, June 8 p 11
 Dining Car Business in 1952, June 15 p 17
 Monthly Figures by Individual Roads: November, Jan 26 p 19; December, Feb 23 p 36; January, Mar 23 p 18; February, Apr 20 p 48; March, May 18 p 101; April, June 20 p 29
 Unit Costs Increase Faster than Unit Revenues, Mar 23 p 15
 Years 1950-52, Jan 12 p 7*, p 148
 Review of Railway Operations in 1952, Jan 12 p 144*; Jan 12 p 165*; Correction, Feb 16 p 15
 Richmond, Fredericksburg & Potomac: Wheel Checking Device, Mar 2 p 18*
 Riss Case Involving Authority of Motor Carriers to Haul Explosives, I.C.C. Proposed Report on, May 4 p 12
 Riverlake Belt Conveyor Lines, Inc.: Status of, Feb 2 p 8; June 22 p 11
 Rivers and Harbors, Appropriations for, Jan 19 p 18
 Rivers and Harbors Programs, House Committee on Public Works Urged to Exercise More Control Over, Jan 12 p 163
Roadway and Ballast, A.R.E.A. Report on, Mar 23 p 103
 Rochester Plan for Channelling L.C.L. Shipments, Jan 26 p 53
Rock Island Motor Transit Company:
 Combination Mail and Passenger Bus, Mar 2 p 9*
 I.C.C. Examiner Proposes to Ease Restrictions on Limiting Operations to Auxiliary Services, Apr 27 p 11
 Rods, Gage, Used on Q.N.S.&L., Apr 6 p 72*
 Roller Bearings (See Journal Bearings, Roller)
 Ross and White Movable Car and Window Washer, Jan 19 p 34*
 Rule G, Difficulty of Enforcing, Jan 19 p 27; Jan 26 p 35; Feb 9 p 67
 Rules for Motor Truck Leasing: I.C.C. Order Upheld by Supreme Court, Jan 19 p 45; Order Effective, May 25 p 10
 Running Boards, Apex, Cold-Riveted Application of, Apr 20 p 63*
Rutland:
 Insignia, New, Jan 19 p 17*
 Wage-Revenue Ratio, Jan 19 p 7

S

SAB Type DRV Double-Acting Slack Adjuster, May 18 p 113*; Correction, May 25 p 14
Sabotage: Cases of Suspected Sabotage Reported by Railroads, Feb 2 p 48; Feb 16 p 15; Mar 2 p 10
Safe Transit Conference to be Held, Mar 9 p 16
Safety:
 Colors Used on G.N. Equipment Selected to Promote, June 22 p 24
 L.C.C. Examiner Finds Transportation of Explosives by Motor Truck No Greater Hazard Than Transportation by Rail, May 4 p 12
 Meddling with, May 4 p 49†
 Need for Increased I.C.C. Appropriations for, June 15 p 125
 Rail Travel for Military Personnel Urged, Jan 26 p 54
 Superintendents' Report on, June 15 p 131
Safety Appliance Act: Amendment Proposed to Give I.C.C. Authority Over Brake Installations and Specifications, Mar 16 p 12; Mar 30 p 21; Apr 20 p 12; May 4 p 49†
Safety Awards:
 Employee Awards Made by N.S.C., May 18 p 13; Correction, May 25 p 13
Railway Age Wins N.S.C. Award, May 18 p 8
Railway Supply Companies to Receive Awards of the Greater Chicago Safety Conference and Exposition, May 18 p 13
Safety Devices:
 A.T.&S.F. Reflectorized Roadway Signs, Apr 20 p 77*
 C&N.W. Train-Stop System, Mar 23 p 73*
 Devices for Stopping a Train Automatically in the Event of a Hot Box, Feb 9 p 84*
 Gyralite Warning Lights, Jan 12 p 137*
 P.R.R. to Install Angle Cock Locking Device on Certain Passenger Cars, Feb 16 p 8
 Recessed Side Sheets in Back of Ladder Rungs on Box Cars Permit Safer Footing for Trainmen, Jan 5 p 16*
 Wheel Checking Device, Mar 2 p 18*
Safety First Calendar; C.&E.I., Feb 16 p 14
Safety Hatch, Locomotive, Jan 12 p 137*
Safety Messages on Drinking Cups, Mar 9 p 106; May 18 p 132*
Safety Rally, St.L.-S.F. Sixth Annual, Apr 27 p 9*
Safety Records:
 Railroad, in 1952, Jan 12 p 11; Jan 19 p 45; Feb 16 p 15; Feb 23 p 19; Apr 20 p 16; June 15 p 126
"Safety Saves"; Clark Equipment Company Sound Film, Apr 13 p 19*
Safety Section, A.A.R., Annual Meeting of, June 1 p 18; June 15 p 124*
Safety Training for the New Man, June 15 p 124*
St. Anthony Machine Products Company: Model EL Portable Electric Power Winch, Jan 19 p 25*
St. Lawrence Seaway:
 Bills in Congress, Mar 9 p 11; Apr 27 p 9; June 22 p 10
 Canadian Railways Are Reconciled to Construction of, May 11 p 7
 Developments During 1952, Jan 12 p 160
 How to Build, May 25 p 19†
 New Administration Favorable to, Jan 5 p 8; Apr 27 p 9; May 18 p 17
 Power Project, Status of the, May 18 p 17
 Senate Committee on Foreign Relations Hearings on, Mar 9 p 11; Mar 16 p 14; Apr 27 p 9; May 25 p 19†; Report on, June 22 p 10
 Still Opportunity for U. S. to Join with Canada in Building Seaway, Says President Truman, Jan 19 p 14
St. Louis Car Company to Convert P.C.C. Cars for Chicago Transit Authority, Mar 9 p 16
St. Louis-San Francisco:
 Air-Charging System, New Yard, Feb 23 p 22*
 Cars, Box, Converted from Wood to Steel, Apr 27 p 23*
 Color Recommendations of N.S.C. Adopted, Jan 26 p 52
 Dieselization Completed, Mar 2 p 9
 Foreign Railway Technicians Visit, Mar 2 p 12*
 Radio-Loudspeaker System Used for Car Inspection, Feb 23 p 47*
 Safety Rally, Sixth Annual, Apr 27 p 9*
 Scholarship Established at Princeton, June 22 p 16
 Stock Option Plan for Key Personnel, Jan 5 p 18
 Storagehouse at Springfield, Mo., Diesel Shop, Apr 20 p 14*
 Walkie-Talkie Radio Used to Transmit Car Numbers, Feb 2 p 50*
"Word-Subject" Filing System, Mar 23 p 78*
St. Louis Southwestern:
 Blotters for Missing Shippers, May 25 p 12*
 Color Combination, New, for Trains, Feb 16 p 14
Salaries: (See also Employees: Wages)
 I.W.C. Rep. Wolverton Disturbed Over, May 18 p 17
 I.C.C. Report on Salaries Over \$20,000 in 1951, Jan 19 p 47
Sales Direction: What Statistics Are Needed for, May 9 p 134*
Sales Staff of N.W. Holds Meeting, Mar 9 p 14
Salesmen, Passenger, Some Concrete Suggestions for, May 18 p 148*
San Diego & Arizona Eastern: Helpers Seldom Needed with Diesel Road-Switcher, Apr 20 p 18*
San Joaquin Women's Urinal, May 18 p 153*
Saudi Arabian Government Railroad, Diesel Locomotives for, Jan 19 p 12*
Savings: Advantages of Centralized Traffic Control, Jan 12 p 202*
Saw, Brushmaster Brush-Cutting, Mar 9 p 102*

GENERAL INDEX—Continued

[Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡]

Saw, Gravely Chain, Attachment for, Mar 9 p 100*

Scarific, Fairmont W87 Series A Tie-Bed, Mar 9 p 106*

Schield Bantam Truck-Mounted Shovel Crane, Mar 9 p 107*

Scholarships:

- A.A.R. Mechanical Division at Stevens Institute, Jan 26 p 16
- C.R.I.&P. to Establish, June 15 p 133
- Erie to Establish, Feb 2 p 49
- St.L.-S.F. at Princeton, June 22 p 16

School for Station Agents on T.&N.O., Apr 20 p 97*

Schramm Skyworker Crow's Nest, Mar 9 p 102*

Scientific Developments, Difficulty of Controlling, Mar 23 p 61

Scot-Crete Material Carrier, Mar 23 p 57*

Scope, Hayco Improved Track-Lining, Mar 9 p 100*

"Scotchlite" Reflective Sheeting Used by A.T.&S.F. on Roadway Signs, Apr 20 p 77*

Screen Cloth, Hewitt-Robins Electric Heater for, Mar 23 p 57*

Seythe, Hoffer Power-Driven, Jan 19 p 25*

Seaboard Air Line:

- C.T.C. Installation Adapted to 10 Trains; Birmingham, Ala.-Atlanta, Ga., June 29 p 56*
- Diesel Locomotive Shop to be Built at Hamlet, N. C., June 22 p 30
- Powell, L. R., Jr., Retires as Chairman of the Board, Apr 13 p 23*
- Raleigh-Portsmouth Rail Connection 100 Years Old, Apr 20 p 98
- Stock Split Proposal, June 8 p 20

Seamless Tubing Made from Stainless Steel, Apr 20 p 64

Seatrain Lines, Inc.: Antitrust Suit Against the Railroads; I.C.C. Asked to Issue "Declaratory" Orders, Jan 19 p 13; Feb 16 p 13; Supreme Court Refuses to Review, Mar 23 p 14

Securities:

- A.T.&S.F. Bond Retirement Fund Approved, May 11 p 23
- Brety, Pierre, on Outlook for, Jan 19 p 43*
- Developments in 1952, Jan 12 p 188*
- How Right is the Ticker Tape?, Jan 12 p 141†
- Offered for Sale, 1934-1952, Jan 12 p 190

Senate Committee on Foreign Relations: St. Lawrence Seaway Legislation Hearings, Mar 9 p 11; Mar 16 p 14; Apr 27 p 9; May 25 p 19†; Report, June 22 p 10

Senate Committee on Interstate and Foreign Commerce: Bill to Permit Prompt Rate Increases, Hearings on, May 11 p 12; May 18 p 11; Report on, June 1 p 13; June 8 p 9

Hearing on P.R.R. Train Crash at Washington Union Station, Jan 26 p 55

Membership of, Jan 26 p 53; Feb 2 p 8*

More Time Granted for I.C.C. Study, Feb 9 p 16

Wolf Management Engineering Company Report on the I.C.C., Feb 9 p 16

Senate Committee on Labor and Public Welfare: Report on Effectiveness of Railway Labor Act Procedures in Settling Disputes, Jan 19 p 18

Senate Committee on the Post Office and Civil Service to Investigate Postal Rates and Charges and the Mail Service, Mar 16 p 14

Sewer Pipe Joint Compound (Sewertite), Mar 9 p 104*

Sewertite, Plastic Sewer Joint Compound, Mar 9 p 104*

Shenandoah Central Officially Opened, June 22 p 14*

Sherwin-Williams Quali-Kote Paint, May 18 p 164*

Shippers:

- Panel Discussion on Federal Aids to Transportation Held at Chamber of Commerce Regional Meeting at Minneapolis, Jan 5 p 43*
- Panel Tells Superintendents What It expects in the Way of Freight Service, June 15 p 127*
- Railway Age to Continue to Report the "Customer Angle", Jan 5 p 33†

Shippers' Regional Advisory Boards:

- Comparison of Estimated and Actual Car Loadings in Third Quarter of 1952, Mar 2 p 19; Fourth Quarter, June 15 p 14
- Estimates of Car Loadings in First Quarter, Jan 5 p 11; Second Quarter, Apr 6 p 12

Shop Men, C. V. Diesel School for, Mar 30 p 20*

Shops:

- D.S.S.&A. Adds Diesel Shop to Enginehouse at Marquette, Jan 19 p 40*
- Evolution of an L.N. Shop from Steam to Diesel, Apr 20 p 11*
- M-K-T Shops at Parsons, Kan., and Waco, Tex., Converted for Diesel Repairs, June 1 p 74*
- Model Used to Lay Out T.P. Wheel Shop at Marshall, Tex., June 29 p 52*
- N.Y.C. Diesel Shop in Minoa, N. Y., Mar 9 p 94*
- Prefabricated Buildings Used by N.Y.C., Mar 9 p 94*
- Progress in Appraising Requirements for, Jan 12 p 96*
- p. 208*
- St.L.-S.F. Storehouse at Springfield, Mo., Apr 20 p 14*
- S.A.L. to Build Diesel Locomotive Shop at Hamlet, N. C., June 22 p 30
- Visitors, 8000, Study Change from Steam to Diesel, Apr 13 p 6
- Short Line Railroads, Morrison Car Leasing Plan for, June 22 p 13
- Shovels, "Long-Stick" Crawler, Used by I.C., for Widening Cuts, Jan 19 p 36*
- Sickness and Maternity Benefit Payments in 1952, Jan 12 p 157

Signaling: (See also Centralized Traffic Control; Interlockings; Train Stop, etc.)

- Construction in 1952, Jan 12 p 202*
- Train Identification System as Applied to Subway, Suburban and Freight Service, Mar 23 p 76*
- Train Identification System, Erie First Railroad to Install, Jan 19 p 38*

Signals, Gyralite Warning, Jan 12 p 137*

Signs, Adhesive Window, May 18 p 154*

Signs, Roadway, A.T.&S.F. Reflectorized, Apr 20 p 77*

Skyworker Crow's Nest, Schramm, Mar 9 p 102*

Slack Adjusters:

- American SAB Double-Acting, May 18 p 113*; Correction, May 25 p 14
- Klasleng Automatic, Mar 23 p 57*

Snow Blower, Racor, June 8 p 18*

Snow Melting Chemical, Anti-Rust Phosphate Added to, Jan 26 p 33

Snow Plow Attachment for Materials Handler, Prime-Mover, Mar 9 p 110*

Snow Plow, Jordan Double-Ended, Mar 9 p 104*

Snow Plow-to-Locomotive Telephone Service on S.P., Mar 9 p 12*

Socialization of Transportation:

- Fundamental Issues Involving, Mar 2 p 17†
- Railroad Paradox; R. J. Bayer on, June 15 p 139*
- Review of New British Transport Legislation, May 4 p 60*
- Ruining the Big Cities, Mar 16 p 19†
- Schmidt, W. H., Jr., on, Feb 9 p 14
- White, William, on, Jan 19 p 14

Societe Nationale des Chemins de Fer Belges: Electrification Program, Jan 26 p 47*

South Bend (Ind.) Transportation Club: Officers, Feb 23 p 23

South Buffalo Workmen's Compensation Case, Supreme Court Decision in, Feb 16 p 12

Southeastern Railway Diesel Club: Class Repairs for Diesel Locomotives, May 11 p 9

Southern and Southwestern Railway Club:

- Controlling the Speed of Long Freight Trains, Jan 26 p 48*
- Mixing of Crankcase Oils, Feb 2 p 14

Southern Pacific:

- Cars, All-Steel Welded Ballast, Mar 9 p 99*
- Device for Stopping a Train Automatically in the Event of a Hot Box Developed by A. J. Herbert, Feb 9 p 84*
- Fined for Elkins Act Violation, May 18 p 12
- Fined for I.C.C. Service Order Violation, Feb 23 p 22
- Jennings Yard at Roseville, Cal., Jan 5 p 48*
- Officers Study Business and Industrial Development in Texas and Louisiana, May 18 p 13*
- Operating and Engineering Officers Meet, May 25 p 13
- Passenger Service Abandonment Case Reviewed by California Supreme Court, Feb 9 p 17; Apr 13 p 11
- Public Opinion Survey, Mar 23 p 61†
- Round Table Work Unit and Self-Correcting Division Board for Handling Waybills at Taylor Yard, Feb 2 p 42*
- Service Flags to Honor Employees in Armed Forces, Feb 16 p 14
- "Shasta Daylights", One Millionth Passenger Carried on the, Jan 19 p 47
- Snow Plow-to-Locomotive Telephone Service, Mar 9 p 12*
- Trailers-on-Flats Service, May 11 p 11*
- Train-Wayside Radio; Sacramento, Cal.-Sparks, Nev., Jan 26 p 30*
- Vapor-Drying Process Tested on Boxed-Heart Douglas Fir Ties, Feb 2 p 45*
- Yard at Houston, Mar 9 p 18; June 1 p 72*; June 29 p 60*

Southern Railway:

- Dieselization Completed, Jan 26 p 8; June 29 p 7
- Explosion of Air Reservoir on Diesel Locomotive, I.C.C. Report on, Mar 16 p 14
- "High Cost of Carelessness"; Claim Prevention Film, Jan 12 p 16*
- Stock Split Approved by I.C.C., Feb 2 p 53; Mar 9 p 17; April 13 p 23; May 18 p 191
- Supreme Court Refuses to Review Ruling Requiring Rebuilding of Charleston Union Station, Mar 23 p 14
- Ticket, Punch-Card, Developed, May 18 p 127*
- Yard, New, to be Built at Chattanooga, June 8 p 10

Southwest Shippers' Advisory Board Meetings, Feb 16 p 14; June 29 p 14

Spectroscopic Electrodes, Preformed; National Carbon Company, May 18 p 114*

Speed of Trains:

- Controlling Speed of Long Freight Trains, Jan 26 p 48*
- Faster Transcontinental Sleeper Service, June 15 p 13
- Freight and Passenger Train Speed, 1942-52, Jan 12 p 155
- Pacific Coast Freight Time Cut, Mar 30 p 11
- "Twentieth Century" on 16-hour Schedule, Apr 27 p 14

Spike Puller, Nordberg Hydraulics, Mar 9 p 105*

Spokane International Stock Split Approved by I.C.C., Feb 2 p 53; Mar 23 p 127

Spokane, Portland & Seattle to Build Elevator at Vancouver, June 22 p 30

Standard Skylift CF Lift Truck, Automatic, June 1 p 52*

Standard Portable Conveyor Supports, June 15 p 91*

Starters, Cutler-Hammer Magnetic, May 4 p 46*

Staten Island Rapid Transit: Partial Abandonment of Passenger Service Approved, Jan 5 p 18

Station Agents School on T.&N.O., Apr 20 p 97*

Station Code, Tentative Universal, Completed, Jan 12 p 201

Stations, Freight:

- A.T.&S.F. at San Francisco, Jan 26 p 42*
- Erie to Survey Operations in, Feb 2 p 8
- I.C.C. Study of Costs and Other Performance Factors, Mar 2 p 19
- Layout of, A.R.E.A. Report on, Mar 23 p 112
- L.V. Centralized Checking System at Manchester Transfer Station, Mar 2 p 20; Apr 6 p 50*
- N.Y.N.H.&H. Distribution Center in the Bronx, Feb 2 p 14*

Stations, Passenger:

- Atchison, Kan., New Union Station for, Mar 2 p 10*
- C.N.R. New and Improved, May 18 p 151
- C.I.&L. at Monon Dedicated, June 20 p 59*
- N.Y.N.H.&H. May Build Station Near Canton, Mass., Mar 2 p 7; Mar 9 p 18
- P.R.R. Station at Camden, N. J., Modernized, Feb 16 p 47*
- Supreme Court Refuses to Review Ruling Requiring A.C.L. and Southern to Rebuild Charleston Union Station, Mar 23 p 14

Statistical Manual to be Issued by A.A.R., Apr 20 p 18

Statistical Tools, Suggestions for Improving the Quality of, June 15 p 123

Statistics:

- Punched Card Mechanical Abstracting for Interline Received Carload Freight, Mar 9 p 130*
- Statistics Needed for Effective Sales Direction, Mar 9 p 134*
- Steam Cleaner, Malsbury, Apr 6 p 49*
- Steel Companies Set New Records in 1952, Feb 16 p 8
- Steel Founders' Society of America: Annual Medal Awards, Apr 6 p 93
- Steel Pallet, Econoweld, Jan 26 p 33*
- Steel, Seamless, Seamless Tubing Made from, Apr 20 p 64
- Steel Structures, A.R.E.A. Report on, Mar 23 p 110
- Stevens Institute, A.A.R. Mechanical Division Offers Scholarship at, Jan 26 p 16
- Stock Capitalization Changes in 1952, Jan 12 p 191
- Stock Option Plans:

 - C.A.E. Turned Down, Jan 19 p 50
 - St.L.-S.F. Plan Authorized by I.C.C., Jan 5 p 18
 - Western Pacific Proposal for, June 15 p 144

- Stock Prices in 1952, Jan 12 p 188
- Stock Split Proposals:

 - K.C.S. Split Approved by I.C.C., Feb 9 p 91; Apr 6 p 103
 - Seaboard Air Line, June 8 p 20
 - Southern Split Approved by I.C.C., Feb 2 p 53; Mar 9 p 17; Apr 13 p 23; May 18 p 191
 - Spokane International Split Approved by I.C.C., Feb 2 p 53; Mar 23 p 127
 - T.P.&W. Split Approved by I.C.C., Jan 19 p 51

- Stonhard Company: Stonseal Water-Repellent for Concrete, Mar 9 p 109
- Stonseal Water-Repellent for Concrete, Mar 9 p 109
- Storehouse at Springfield, Mo., Diesel Shop; St.L.-S.F., Apr 20 p 14*
- Strikes:

 - B. of R.T. Threatens to Strike in Canada, Jan 26 p 16; Feb 2 p 16; Strike Order Cancelled, Feb 9 p 18; May 11 p 10
 - C.&W.C. Strike Called by B. of L.E., June 15 p 17
 - C.G.W. Operating Unions' Grievance Strike, Feb 2 p 16; Feb 9 p 15; Feb 16 p 17; Mar 9 p 13; Mar 16 p 14
 - O.R.T. Calls Off Strike Against D.L.&W., June 15 p 134
 - Philadelphia Transit Strike, Railroads "Rescue" Thousands During, Jan 26 p 12*
 - Union Railroad, Apr 6 p 17; B. of R.T. Agrees with Railroad, Apr 13 p 18
 - Strong, Carlisle & Hammond Co.; Borgana (Boiler Water Treatment) Distributed by, Mar 9 p 169

Subsidies:

 - Air Transport, President Truman on, Jan 19 p 15
 - C.A.B. Report on Separation of, Jan 12 p 163
 - Fundamental Issues Involving, Mar 2 p 17†
 - Motor Truck; R. J. Littlefield on, Feb 9 p 70
 - Newell, J. P., on, Jan 26 p 47*
 - Ruining the Big Cities, Mar 16 p 19†
 - Shippers' Panel Discussion at Chamber of Commerce Regional Meeting at Minneapolis, Jan 5 p 43*
 - "User-Charge" Study of Department of Commerce Continuing, Jan 5 p 14

Subway Cars Needed by New York City, May 25 p 21

Subway in Toronto Nearing Completion, June 1 p 78*

Subway Service, Application of the Train Identification System to, Mar 23 p 76*

Superintendent, Qualifications of a, June 15 p 130

Supervisors:

 - C.&O. Training Course, Mar 23 p 86
 - C.&N.W., C.&W.I. and Belt Railway Course in Human Relations, June 22 p 15
 - I.C. Seminar, Apr 6 p 93; May 4 p 70*
 - Importance of Followership as Well as Leadership, Apr 20 p 67
 - P.R.R. Assigns Supervisors to Trains to Improve Passenger Service, Feb 2 p 46*
 - R.E.A. Training Program, Feb 16 p 52*; May 18 p 162

Supreme Court (See United States Supreme Court Decisions)

Sweeper, Track: P.R.R., Jan 5 p 15*

Swing Joints, Barco, Mar 9 p 109*

Switch Heaters, A.R.E.A. Report on, Mar 23 p 111
 Switching, Flat Versus Hump, Superintendent's Report on, June 15 p 131
 Switching Service Tariff, I.C.C. Proposed Report on Railroad Application of, Apr 13 p 12
 Sytron Model 26-R0 Hammer Drill, Mar 9 p 99*

T

Table, Round, for Handling Waybills; S.P., Feb 2 p 42*
 Tailo Trains, Operating Experience with, May 18 p 130*
 Tamper, Kershaw Combination Jack and, Mar 9 p 101*
 Tamper Turntable, Matisa, Mar 9 p 108*
 Tank, Fairmont W70 Series A Weed Spray, Mar 9 p 104*
 Tank, United States Envelope Company Portable Drinking Water, Mar 9 p 106*
 Tariffs (See Freight Tariff Simplification)

Taxes:
 Common Carriers Silent Under Discriminatory Treatment, Feb 16 p 37†
 Freight Transportation Tax Repeal Advocated, Apr 6 p 18, p 58†
 Income Tax Effect on Public Transportation Costs, Apr 6 p 90
 Motor Truck:
 Chicago Tax Upheld by Supreme Court, Mar 2 p 11
 Connecticut Ton-Mile Tax Proposed, Feb 16 p 8
 Idaho Ton-Mile Tax Repealed, Mar 23 p 116
 Illinois Tax Upheld by Supreme Court, Mar 2 p 11
 Interstate Cooperation in Collection of, Proposed, Jan 19 p 8
 Montana Ton-Mile Tax Defeated, Mar 23 p 116
 Ohio Considers Axle-Mile Tax, June 8 p 5
 Variation in State Fees, Apr 20 p 8
 Motor Vehicle, A.A.A. Statement on, May 4 p 9
 Passenger Transportation Tax Repeal Advocated, Apr 6 p 11, p 58†
 Relief Proposals; T. K. Warner on, June 15 p 122
 Transportation Tax Based on Use of Facilities Proposed, Mar 9 p 135‡

Taylor-Colquitt Company: Vapor-Drying Process Tested on Boxed-Heart Douglas Fir Ties, Feb 2 p 44*
 Teachers to Get Lesson in Railroading, Jan 26 p 55
 Telegraph Circuits Installed in 1952, Jan 12 p 216
 Telegraph Rectifier, Bogue, Apr 6 p 50*
 Telegraphers Trained at College by Wabash, Feb 23 p 17
 Telephone Booth, Burgess-Manning Improved Doorless, Apr 20 p 64*
 Telephone Circuits Installed in 1952, Jan 12 p 216
 Telephone Installations in Freight Houses, Shops and Offices in 1952, Jan 12 p 217
 Telephone Service, Snow Plow-to-Locomotive, on S.P., Mar 9 p 12*
 Telephone, Wall-Desk; Connecticut Telephone & Electric Corp., Feb 2 p 29*
 Teleregister Corporation: Electric Train Departure Bulletin Board, Feb 9 p 65*
 Teletypewriter, Commercial Model FTM, June 29 p 36*
 Television: Yard Installations Might Lead to Better Service, Jan 26 p 50‡
 Tennessee Intrastate Rate Adjustments, I.C.C. Postpones Order on, Jan 5 p 13
 Terminal Crimper, AMP Solderless, Feb 16 p 33*
 Terminal Facilities, O.D.M Increases Expansion Goal for, May 11 p 23
 Terminal, Flag-Type Solderless, June 1 p 51*
 Terminal Operations, How Railroads are Improving, Jan 5 p 33*
 Terminals:
 A.R.E.A. Report on, Mar 23 p 112
 C.B.&Q. Rail-Truck Terminal at Chicago, May 11 p 23
 Chicago's South Side Railroads Urged to Build New Terminal, Apr 20 p 8; June 29 p 59
 Suburban Terminal, New, for Chicago, Under Study, Mar 9 p 8
 Test Meter for Mobile Two-Way Radio, RCA, Feb 9 p 63*

Tests:
 British Railways Gas-Turbine Locomotive, Feb 2 p 39*
 "Cargo-tainers" for Handling Mail and Express Tested on G.N., Mar 9 p 115*
 Device for Stopping a Train Automatically in the Event of a Hot Box, Feb 9 p 84*
 Dressed-Beef Damage, A.A.R. Tests to Determine Cause of, May 4 p 58*
 Griffin EQS (A.A.R. Type X-3) Wheels, Apr 6 p 84*
 Laudig Journal Bearing, Mar 23 p 65*
 Locomotive, Coal-Burning Gas-Turbine, Progress Report on, Apr 20 p 86*
 Maryland Road Tests, Film on, Apr 27 p 11
 P.R.R. Investigation of Hot Boxes, May 4 p 54
 Vapor-Drying Process Tested on Boxed-Heart Douglas Fir Ties, Feb 2 p 44*

Texas & New Orleans:
 Line Change Between Devil's River, Tex., and Bullis, Apr 6 p 82*
 N.S.C. Contest Winner, May 18 p 13
 School for Station Agents, Apr 20 p 97*
 Yard at Houston, Mar 9 p 18; June 1 p 72*; June 29 p 60*
 Texas & Pacific:
 Dieselization Completed, Mar 30 p 11
 Wheel Shop at Marshall, Tex., Laid Out with Aid of a Scale Model, June 29 p 52*
 Texas Mexican: N.S.C. Contest Winner, May 18 p 13
 Thailand, Diesel Locomotives for, May 4 p 18*
 Thailand Seeks Bids on Railroad Equipment, Feb 2 p 51; Feb 16 p 17; Mar 23 p 142
 Theft Claim Payments, Decrease in, June 15 p 8

Thew Shovel Company:
 Lorain Model MC-524 Moto-Crane and Model SP-524 Self-Propelled Crane, Jan 26 p 23*
 Lorain Model TL-10 Truck Crane, Mar 9 p 101*
 Lorain Model 820-KS Crawler Crane, Mar 9 p 103*
 Thomas Truck & Caster Co.: Hand Jacks for Moving Containers, Mar 9 p 115*
 Thor Impact Wrench, Mar 9 p 110*
 Throwover Panel, G.E. Automatic, Jan 5 p 29*
 Ticket Offices:
 C.M.S.P.&P. at Seattle, May 25 p 9*
 P.R.R. at Philadelphia, Apr 6 p 17*
 Tickets:
 Availability Board; N.Y.C., Apr 27 p 22*; June 1 p 16*
 Book-Type, on the G.N., Jan 26 p 52
 Design Changes in, May 18 p 128*
 Punch-Card, Being Developed by Southern and I.B.M., May 18 p 127*
 Sales System, New, on P.R.R. and N.Y.C., Feb 2 p 12; Apr 27 p 22*; May 18 p 144*; June 1 p 16*
 Tie-Bed Scarifier, Fairmont W87 Series A, Mar 9 p 106*
 Tie Doweling Machine, Graham Model DMMH, June 15 p 91*
 Tie Drill, Nordberg, Mar 9 p 110*
 Tie-End Remover, Woolery, Mar 9 p 108*
 Tie Grapple, Blaw-Knox, Mar 9 p 107*
 Tie Pad, Racor, Mar 9 p 109
 Tie Plates, A.R.E.A. Report on, Mar 23 p 106
 Tie Spacers, Byers Wrought-Iron, Mar 9 p 108*
 Tie Tamper, Kershaw Combination Jack and, Mar 9 p 101*
 Tie Tamper Turntable, Matisa, Mar 9 p 108*
 Tie Ties:
 A.R.E.A. Report on, Mar 23 p 104
 Incising, Advantages of; E. R. Band on, May 4 p 86
 Preservation of; W. Buehler on, Mar 23 p 106
 Renewal Estimates for 1953, Jan 12 p 183, p 212; Mar 9 p 91
 Renewals, 1929-52, Jan 12 p 212*
 Vapor-Drying Process Tested on Boxed-Heart Douglas Fir Ties, Feb 2 p 44*
 Toledo, Peoria & Western:
 Cars, New Box, Painted Dark Green, June 15 p 145*
 Stock Split Approved by I.C.C., Jan 19 p 51
 Traffic Representatives Hold Meeting, Jan 5 p 13*
 "Willies" Awarded for Community Leadership, May 18 p 16*
 Toledo Transportation Club: Officers, May 25 p 14
 Ton-Miles:
 Gross Ton-Miles Per Employee Hour and Per Dollar of Wages, Apr 20 p 13
 Years 1943-52, Jan 12 p 7*, p 146*; Correction, Jan 19 p 7
 Tonnage and Train Frequency, Balance Between, June 15 p 130
 Tork-Hammer Impact Wrench, Mar 9 p 108*
 Toronto Subway Nearing Completion, June 1 p 78*
 Towveyor System Used in A.T.&S.F. Freight Station at San Francisco, Jan 26 p 44*
 Track:
 A.R.E.A. Report on, Mar 23 p 106, p 108
 C.B.&Q. Kansas City Short-Cut (Centennial Cutoff), Feb 9 p 74*
 "Curveliner" in Use on L.&N., May 18 p 160*
 Fast Way of Laying; Q.N.S.&L., Apr 6 p 72*
 T.A.N.O. Line Change Between Devil's River, Tex., and Bullis, Apr 6 p 82*
 U.P. Completes Line Change Over Sherman Hill, Wyo., Mar 9 p 13*; June 29 p 46*
 Track Broom, Kershaw, Mar 9 p 100*
 Track-Lining Scope, Hayco Improved, Mar 9 p 100*
 Track Supply Association: Joint Exhibit with Bridge and Building Supply Association, Jan 19 p 47
 Track Sweeper; P.R.R., Jan 5 p 13*
 Traction Motor Bearing, Hyatt Pinion-End, Feb 16 p 33*
 Tractor Cab, Mercury, May 4 p 45*
 Tractors:
 Clark 12,000-lb. Towing, Apr 6 p 49*
 Trainload of, May 18 p 11*
 Trademarks (See Insignias)
 Traffic Club of Chicago:
 Officers, Apr 6 p 96
 Transportation Legislative Forum Held, Mar 2 p 19; Mar 30 p 13
 Traffic Club of Houston: Officers, June 15 p 133
 Traffic Club of St. Louis: Officers, June 1 p 86
 Traffic Club of Washington, D. C.: Officers, Apr 6 p 100
 Traffic Department Organization; M.S.T.P.&S.M., Apr 6 p 65*
 Traffic Management (See Industrial Traffic Management)
 Traffic Representatives of T.P.&W. Meet, Jan 5 p 13*
 Trailer, Mercury Combination Hand-Truck and, Feb 23 p 27*
 Trailers-on-Flat Service:
 C.N.R. Service, Jan 12 p 12*
 Earnings Per Freight Car Possible with, May 25 p 13
 Economic and Operating Problems of, Mar 30 p 19†
 E.-M.D. Flat Car for, June 22 p 11*
 N.Y.N.H.&H. Wins Injunction Against Teamsters Union, Apr 13 p 18
 "Piggy Backs"—Good or Bad?, Apr 20 p 80*
 Pullman-Standard Flat Car for, June 1 p 19*
 S.P. Service for Company Trailers, May 11 p 14*
 Superintendents' Report on, June 15 p 130
 Van-Car Corporation to Build Flat Cars for, Feb 9 p 12
 Train Communication:
 B.&A. Entire Line Equipped with, Mar 9 p 18*; June 1 p 70*
 G.N. Long-Range Radio Program, Mar 30 p 24
 Installations in 1952, Jan 12 p 215*
 Number of Systems in Service on January 1, 1952, Feb 16 p 11
 S.P. Train-Wayside Radio; Sacramento, Cal.-Sparks, Nev., Jan 26 p 39*

Train Control Installations in 1952, Jan 12 p 206
 Train Departure Bulletin Board, Electric, Feb 9 p 65*
 Train Identification System as Applied to Subway, Suburban, and Freight Service, Mar 23 p 76*
 Train Identification System, Erie First Railroad to Install, Jan 19 p 38*
 Train Operating Rules, Bill to Give I.C.C. Authority Over, Feb 2 p 17; Apr 20 p 12; May 4 p 49†
 Train Schedule Questionnaire; L.I., May 11 p 15*
 Train Speed (See Speed of Trains)
 Train Starting Indication Panel; P.R.R., May 18 p 157*
 Train-Stop Installation on C.&N.W., Mar 23 p 73*
 Train-Stop Installations in 1952, Jan 12 p 207
 Training of Employees: (See also Fellowships; Scholarships)
 A.A.R. Container Research and Development Seminars, Mar 30 p 9, p 10*
 A.T.&S.F. Officers to Attend U.S.C. Institute of Business Economics, May 18 p 14
 B.&O. Non-Technical Program for Young Employees, Mar 9 p 12; Apr 20 p 101*
 C.N.R. Program for Passenger Department Employees, June 29 p 9
 C.N.R. Staff Training Course, May 18 p 8; June 22 p 15*
 C.V. Diesel School for Shop Men, Mar 30 p 20*
 C.&O. Program for Accounting Officers, Mar 23 p 34*
 Cooperation Between Management and Labor Unions in Establishing Training Programs, Jan 5 p 31
 Course Sponsored by Transportation Club of Peoria, June 29 p 18
 D.R.G.W. Tries a New Approach to Personnel Training, June 8 p 7
 Education-What for, and Where Begin?, Apr 13 p 17†
 E.M.D. Export Training Course, Mar 2 p 12*
 Erie Annual Service Conference, May 19 p 157
 Foreign Transportation Institute, Sixth, May 4 p 13
 Freight Traffic Correspondence Courses; U.P., Mar 30 p 20; N.P., May 18 p 15 and June 22 p 15
 Harvard Advanced Management Courses, Mar 23 p 16; May 11 p 17*
 Human Relations Course for Officers of C.&N.W., C.W.L., and Belt Railway, June 22 p 15
 I.C. Management Seminar, Apr 6 p 93; May 4 p 70*
 Institute of Industrial Transportation and Traffic Management, Fifth, Jan 12 p 13; Feb 2 p 15; Mar 2 p 12
 Mainliners for Diesel Locomotives, Ten Ways to Train, Mar 9 p 122*
 Management Forum Offered by Northwestern University, Feb 9 p 17; Mar 23 p 16; Apr 6 p 13; Apr 20 p 69*, p 81; May 4 p 9
 P.R.R. Course for Passenger Conductors and Trainmen, Apr 13 p 11*; May 18 p 104*
 Rail Transportation Institute, Seventh, Feb 16 p 14; Apr 6 p 11*
 R.E.A. Supervisory Training Program, Feb 16 p 52*; May 18 p 162
 Safety Training for the New Man, June 15 p 124*
 Telegraphers Trained at College by Wabash, Feb 23 p 17
 T.&N.O. Station Agents School, Apr 20 p 97*
 Training and Development of Responsibility, Superintendents' Report on, June 15 p 131
 Trainmen, P.R.R. Training Course for, Apr 13 p 11*; May 18 p 164*
 Trains:
 A.T.&S.F. Plans "San Francisco Chief", June 15 p 13
 C.N.R. Mobile Museum, Apr 20 p 93*
 C.B.&Q. "Kansas City Zephyr" and "American Royal Zephyr", Feb 9 p 71*, p 77*
 Controlling Speed of Long Freight, Jan 26 p 48*
 "East Wind" to be Operated by N.Y.N.H.&H. and B.&M., Apr 20 p 16
 Motor Outlook for, May 18 p 131*
 N.Y.C. Expands Suburban Service, Mar 9 p 11
 N.P. "North Coast Limited" to be Re-equipped, May 18 p 162*
 Reading "Crusader" Checked for Corrosion, June 22 p 17*
 S.L.S.W., New Color Combination for, Feb 16 p 14 "Stonewall Jackson" on Shenandoah Central, June 22 p 14*
 Talgo, Operating Experience with, May 18 p 130* "Train X", G.M.C. to Build Locomotive for, Jan 12 p 13; Status of, May 18 p 130*
 What's Ahead in Equipment?, May 18 p 129*
 Trans-Missouri-Kansas Shippers Board Meeting, Mar 30 p 9
 Transport Air Group; Trade Association for Air Freight Carriers, Apr 6 p 8
 Transportation Association of America:
 Asks Congressional Action on Bills to Permit Prompt Rate Increases, May 18 p 12
 Cooperative Project on National Transportation Policy:
 Policy Administration Board Report Accepted by Board of Directors, Jan 26 p 11
 Report Sent to Congress, Mar 23 p 114
 White, William, on, Jan 19 p 14
 Transportation Club of Louisville: Officers, Apr 6 p 96
 Transportation Club of Peoria:
 Officers, Apr 6 p 96
 Training Course Sponsored by, June 29 p 18
 Transportation Club of San Francisco: Officers, Apr 6 p 96
 Transportation Club of Seattle: Officers, Jan 5 p 15
 Transportation Club of the Rochester Chamber of Commerce: Transportation Conference and Forum Sponsored by, Apr 27 p 21; June 1 p 11*
 Transportation Conferences:
 Chamber of Commerce Regional Conference at Minneapolis, Jan 5 p 40*
 Syracuse University, Apr 27 p 21

GENERAL INDEX—Continued

[Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡]

Transportation Conferences:—(Continued)
 Traffic Club of Chicago Legislative Forum, Mar 2 p 19; Mar 30 p 13
 Transportation Club of the Rochester Chamber of Commerce, Apr 27 p 21; June 1 p 11*
 Transportation Division Organized by University of Denver, May 18 p 16
 Transportation is "Compartmentized", Why, Apr 20 p 70†
 Transportation Policy:
 Bricker, Sen. J. W., Hopes for Action in 1954, Apr 20 p 11
 Chamber of Commerce Declarations on, May 11 p 11
 Chamber of Commerce Regional Conference at Minneapolis, Jan 5 p 40*
 Formulating Policy Is Not the Duty of Congress, but of the Industry, Says Sen. Johnson, Jan 12 p 11
 Impaled Invitation from Secretary Weeks, An, June 8 p 9; June 29 p 41†
 Need for Changes in, Jan 5 p 13; Jan 19 p 14, p 16; Feb 2 p 31; Feb 9 p 15; Feb 23 p 15, p 46; Mar 2 p 17†
 Need for Less Restrictive Regulation in Rate Making, Jan 19 p 29†; May 4 p 11; June 1 p 58†
 Need for Telling American People What Revisions are Needed in Governmental Policy, June 29 p 41†
 One or Several Regulating Agencies?, May 11 p 21†
 Railroads' Program for Modernizing Regulation, Jan 26 p 46* (J. P. Newell on)
 Republicans and the Railroads, June 15 p 97†
 Tobe, Sen. C. W., on, Feb 23 p 15; Mar 2 p 17†; Apr 6 p 88*
 T.A.A. Policy Administration Board Report (See Transportation Association of America)
 Transportation Studies and Reports Made During 1952, Jan 12 p 161
 Transportation, "Vocational" and "Avocational" Interest in, June 15 p 98†
 Travel:
 Campaign to Develop Air-Auto Travel, Feb 2 p 8
 "Extras" Offered by Railroads, May 18 p 123*
 Florida Vacation Travel, Pattern of, Mar 23 p 9
 Rail Travel for Military Personnel Urged, Jan 26 p 54
 Railroads Encourage Camera Fans to Increase, June 29 p 43*
 Travel Credit System on C.I.&L., May 18 p 13
 Trucking Industry National Defense Committee Proposes a Federal Motor Transport Commission, Mar 2 p 11
 Trucks, Car: High Speed Trucks Reduce Dressed-Beef Damage, May 4 p 58*
 Trucks, Industrial:
 Automatic Standard Skylift CF Line, June 1 p 52*
 Automatic, with Electric Transmission, June 15 p 92*
 Clark Horizontal Drum Handling Attachment, May 18 p 114*
 Clark "Powworker" Pallet, Feb 2 p 29*
 G.N. Tests Fork Trucks and Containers to Speed Mail and Express Handling, Mar 9 p 115*
 Hyster ZA-80 and XA-60 Fork Trucks, Jan 12 p 137*
 Kalamazoo "Xpediter", Feb 16 p 33*
 Mercury Combination Hand-Truck and Trailer, Feb 23 p 27*
 Mercury Paper Roll Clamp for, Apr 20 p 63*
 U.P. Spots Bridge Plates with, May 18 p 17*
 Trusteeship, Railroads in, Jan 12 p 192
 Tubes, Mercury-Arc Rectifier, to be Used on N.Y.N.H.&H. Rectifier Locomotives, June 22 p 10*
 Tubing, Seamless, from Stainless Steel, Apr 20 p 64
 Tunnel Underpass at Cawood, Ky.; L&N., June 15 p 120*
 Turco Chemical Paint Stripper for Bridges, May 4 p 46*
 Turntable, Matua Tamper, Mar 9 p 108*
 "Tweetsie" Rides Again!, June 22 p 14*

U

U. S. Electrical Motors, Inc.: Type SS Explosion-Proof Motors, Jan 5 p 28*
 "Ugine Sejournet" Process for Making Seamless Tubing from Stainless Steel, Apr 20 p 64
 Underframe Pullman-Standard Cushion, Exhibited at Materials Handling Exposition, May 25 p 13
 Unemployment Insurance (See Railroad Unemployment Insurance System Operations)
 Uniform Freight Classification: Class Rates to Permit Application of Uniform Classification to Mountain-Pacific Territory to be Proposed by Western Roads, Mar 16 p 19
 Uniform System of Accounts for Steam Railroads: Tighter Expense Account Rules Urged, Apr 20 p 13
 Union League Club of Chicago: Railway Supply Group: J. P. Newell Puts Railroads' Plight in Supply Manufacturers' Language, Jan 26 p 46*
 Union Pacific:
 Bridge Plates Spotted with Lift Trucks, May 18 p 17*
 Car, Agricultural Improvement, Record Made by, June 15 p 133
 Car, Claim Prevention, Loaned to P.R.R., May 18 p 18
 Cars, Luncheon Counter Dining, May 18 p 162
 Cars, Metal Livestock, Mar 2 p 10
 Correspondence Course in Traffic Fundamentals, Mar 30 p 20
 Improvement Program, Feb 23 p 61
 Jeffers, William, Death of, Mar 16 p 30
 L.C.L. Service, New, Between Los Angeles and Las Vegas, Brings Traffic Increase, June 15 p 15; Extended to Salt Lake City, June 29 p 14

Union Pacific:—(Continued)
 Lauder Runs on Box Cars, Recessed Side Sheets in Back of, Permit Safer Footing for Trainmen, Jan 5 p 16*
 Locomotive, Gas Turbine, Converted to Burn Propane Gas, Feb 2 p 5; June 22 p 6
 Locomotives, Gas-Turbine, Performance of, Feb 16 p 39*; Exhibited at Chicago, June 29 p 51
 Mail Handling at Council Bluffs Mechanized, June 15 p 109*
 Ogden Gateway Case, I.C.C. Decision in, Feb 2 p 12
 Perishable Service, Fast, to Chicago, Apr 20 p 15
 Sherman Hill, Wyo., Line Change Completed, Mar 9 p 13*; June 29 p 48*
 Transcontinental Service, Faster, June 15 p 13
 Vapor-Drying Process Tested on Boxed-Heart Douglas Fir Ties, Feb 2 p 45*
 Yard at Kansas City, Work Begun on, May 4 p 19
 Union Railroad, Wildcat Strike on, Apr 6 p 17; B. of R.T. Agrees with Railroad, Apr 13 p 18
 Union Shop:
 Canadian Proposal, Status of, Jan 12 p 235
 Coercion of Employees Under the, Jan 26 p 38†
 Developments in 1952, Jan 12 p 150, p 210
 Legality of Agreements Being Tested, May 25 p 7; June 29 p 9
 Per Cent of Non-Operating Employees Covered by Agreements, Mar 16 p 7

United Air Lines:
 Tariffs for More Spacious Air-Coach Service Suspended by C.A.B., Mar 2 p 11
 To Study and Test Airdock, June 15 p 15

United Nations Regional Railway Training Center to be Established in Lahore, Pakistan, Mar 23 p 142

United States Department of Agriculture: Ban Lifted on Importation of Canadian Meat, Mar 23 p 14

United States Department of Commerce:
 Annual Report, Jan 5 p 14
 Bureau of Public Roads:
 Appropriation for 1953-54, Jan 19 p 15, p 17
 du Pont, F. V., Appointed Commissioner, Apr 6 p 93
 Film on Maryland Road Tests, Apr 27 p 11
 Murray, R. B., Jr., Named Under Secretary for Transportation, Feb 9 p 8*, p 16
 National Production Authority (See National Production Authority)
 Office of the Under Secretary for Transportation: Study of Transportation Factors Involved in Marketing Newsprint, Jan 5 p 14
 Office of Transportation:
 Abolishment of, Apr 6 p 18; Apr 13 p 12
 Investigation Discloses Lack of Coordination in Government Transport Activities, Jan 5 p 12
 Receptive to Offers to Purchase Inland Waterways Corporation, Mar 2 p 12; June 15 p 16
 To Intervene Less in I.C.C. Rate Cases, Apr 20 p 13
 Transport Program Being Reviewed and Evaluated, May 4 p 11
 Transportation Council Meeting, Mar 30 p 13
 "User-Charge" Study Continuing, Jan 5 p 14

United States Department of Defense:
 Joint Land Transportation Agency Established, Mar 2 p 10
 Vore, K. L., Director of Transportation, May 11 p 14

United States Department of Justice:
 Antitrust Suit Filed Against Coupler Manufacturers, June 1 p 12
 Federal Bureau of Investigation: Asks Help to Stop Children's Tampering with Trains, Feb 16 p 15; Mar 2 p 10
 Free Transportation Complaint Filed Against Norfolk Southern, May 11 p 11

United States Department of Labor: Bureau of Labor Statistics: "Old Series" Consumer Price Index to be Continued for Six Months, Mar 9 p 15

United States Department of the Army:
 Corps of Engineers: Appropriation for Rivers and Harbors for 1953-54, Jan 19 p 18
 Hellerman, Maj. Gen. F. A., to Retire, Mar 30 p 12*
 Tank Car Needs to be Met, Says D.T.A., Apr 20 p 15
 To Act as Executive Agent for the Joint Land Transportation Agency, Mar 2 p 10

Transportation Corps:
 Locomotive, Diesel, That Can Operate on Various Gases and in the Arctic or the Tropics, Apr 13 p 10*
 Third Transportation Military Railway Service Headquarters Cited for Meritorious Service, March 23 p 120*
 Wharfage Allowances at Norfolk; Case Reopened by I.C.C., Feb 9 p 16

United States Envelope Company: Portable Drinking Water Tank, Mar 9 p 106*

United States Post Office Department:
 Hook, C. R., Jr., Named Deputy Postmaster General, Jan 10 p 12; Jan 26 p 8*, p 54; Feb 9 p 13
 Parcel Post Rate Increase, Revised Proposal for, Mar 9 p 14; Mar 16 p 14; Apr 20 p 16; May 11 p 13
 Surcharge on Oversize Packages: Effective Date of Order Postponed, Mar 2 p 5; Order Cancelled, Mar 16 p 14

United States Steel Corporation:
 Award Offered for Paper to be Presented at Pan American Railway Congress, Feb 9 p 11
 Fairless Works, Near Morrisville, Pa., Jan 26 p 17*
 Operations Hindered by Strike on Union Railroad, Apr 6 p 17
 Rail and Fittings, New Mill Prices for, May 18 p 176

United States Steel Corporation:—(Continued)
 Research Center to be Built near Pittsburgh, Mar 23 p 122
 Seamless Tubing from Stainless Steels, Apr 20 p 64
 United States Steel Company Merged Into, Jan 5 p 16

United States Supreme Court Decisions:
 A.C.L. Case Involving Transfer of Action Under Federal Employers Liability Act, May 11 p 13
 Car-Float Employee Covered by Harbor Workers' Compensation Act; P.R.R. Case, Feb 2 p 49
 Case Involving New York City's Liens Against N.Y.N.H.&H. Properties, Feb 16 p 12
 Chicago Motor Truck Tax Upheld, Mar 2 p 11
 Claim Against N.Y.N.H.&H. for Lost Baggage Upheld, Mar 23 p 13; June 29 p 13
 Illinois Motor Truck Tax Upheld, Mar 2 p 11
 I.C.C. Motor Truck Leasing Rules Upheld, Jan 19 p 45
 I.C.C. Power to Fix Below-Cost Rates Upheld, Mar 23 p 11
 I.C.C. Ruling on Purchase of Water Carrier Certificate Upheld, May 11 p 13
 I.C.C. Veto of C.&E.I. Truck-Competitive Rate Upheld, Jan 19 p 18
 Refuses to Review Ruling Involving Wabash Section Foreman's Undertaking to Recover for Back Injuries, Mar 23 p 15
 Refuses to Review Ruling Requiring the A.C.L. and Southern to Rebuild Charleston Union Station, Mar 23 p 14
 Refuses to Review Seaway Lines' Antitrust Case Against the Railroads, Mar 23 p 14
 Ruling on N.Y.C.&S.L. Boss' Choice of Work Plan as Justification for Submission to a Jury of a Negligence Allegation, Mar 23 p 14
 South Buffalo Workmen's Compensation Case, Feb 16 p 12
 To Review I.C. Venue Case, May 11 p 13
 To Review Question of Whether 1935 Amendments to Section 77 of the Bankruptcy Act Grant I.C.C. Power to Force a Merger in a Railroad Reorganization Case, May 11 p 13

Universal Station Code, Tentative, Completed, Jan 12 p 201

Universities, Cooperative Relations with, A.R.E.A. Report on, Mar 23 p 112

University of Denver Organized Division of Transportation and Industrial Traffic Management, May 18 p 15

University of Illinois: Officers of C.&N.W., C.&W.I., and Bell Railway Complete Course in Human Relations, June 22 p 15

University of Southern California: A.T.&S.F. Officers Attend Institute of Business Economics, May 18 p 14

Unloading Platform for Oil Stations, Nichols, Mar 9 p 103*

Urinal, Sanitary Women's, May 18 p 153*

Utah Intrastate Rate Adjustments in Ex Parte 162, 166 and 168 Rate Cases Approved by I.C.C., Jan 5 p 12

V

Valuation Data as of January 1, 1952, issued by I.C.C., Feb 16 p 13

Van-Car Corporation to Build Flat Cars to Accommodate Trailers, Feb 9 p 12

Vapor-Drying Process Tested on Boxed-Heart Douglas Fir Ties, Feb 2 p 41*

Vapor Heating Corporation to Build New Plant Near Chicago, Apr 6 p 101

Vegetables, D.T.A. Study of Transportation of, Jan 19 p 46

Vego Electrical Cleaner, May 18 p 114

Vending Machines Successful on P.R.R., May 18 p 160*

Venezuela: Construction of Railroad Between Puerto Cabello and Barquisimeto Being Studied, Mar 23 p 142

Ventilating Device for Degassing Tank Cars, Mar 23 p 83*

Victorian Railways:
 Locomotives, Diesel, Mar 23 p 75*
 Locomotives, Diesel, Break Record for Hauling Wheat Apr 27 p 21*

Two-Tier Cars for Loading Automobiles, Feb 23 p 56*

Virginia Intrastate Rate Adjustments in Ex Parte Cases, I.C.C. Findings on, Jan 5 p 12

W

Walsh:

Dieselization Almost Complete, Jan 26 p 8
 Supreme Court Refuses to Review Ruling Involving Section Foreman's Undertaking to Recover for Back Injuries, Mar 23 p 15
 Telegraphers Trained at Moberly Junior College, Feb 23 p 17

Wages (See Employees: Wages; Salaries)

Warehouse Construction Program of A.C.L. in Atlanta, May 4 p 682

Warner & Swasey Improved Gradall, Mar 9 p 103*

Washer, Wilson Movable Car and Window, Jan 19 p 24*

Washington, D. C., Passenger Association: Officers, Jan 26 p 56

January 1—June 30, 1953

xix

Washington, D. C. Union Station: P.R.R. "Federal" Runs Through Gates, Jan 19 p 18; Fast Restoration Job for Inauguration, Jan 26 p 14*; Senate Hearings on Crash, Jan 26 p 55; L.C.C. Hearings on, Feb 2 p 16; L.C.C. Report on, Feb 23 p 18

Washington Terminal Company: P.R.R. "Federal" Runs Through Gates of Union Station, Jan 19 p 18; Fast Restoration Job for Inauguration, Jan 26 p 14*; Senate Hearings on Crash, Jan 26 p 55; L.C.C. Hearings on, Feb 2 p 18; L.C.C. Report on, Feb 23 p 18

Water Service, A.R.E.A. Report on, Mar 23 p 111

Water Supply Discussed at A.R.D.A. Meeting, May 11 p 16

Water Tank, Portable Drinking, Mar 9 p 106*

Water Treatment: Borgana; Boiler Water Treatment, Mar 9 p 109

Waterproofing, A.R.E.A. Report on, Mar 23 p 110

Waterways: Report of Subcommittee of the House Committee on Public Works on Control of Projects, Jan 12 p 163

Waybill Studies Issued by L.C.C., Feb 2 p 50

Waybills, Round Table Work Unit and Self-Correcting Division Board for Handling; S.P., Feb 2 p 42*

Waybills, Translucent, for Transit Shipments Discussed at R.S.&P.A. Workshop, Mar 9 p 133*

Weed Control Programs, A.R.E.A. Report on, Mar 23 p 104

Weed Spray Car, Fairmont W6 Series B, Mar 9 p 106*

Weed Spray Tank, Fairmont W7 Series A, Mar 9 p 104*

Weed Spray Train; C.N.R., June 1 p 17*

Weeds, Hoffeo Scythette for Trimming, Jan 19 p 25*

Week at a Glance, Jan 5 p 7*; Jan 19 p 7*; Jan 26 p 7*; Feb 2 p 7*; Feb 9 p 7*; Feb 16 p 7*; Feb 23 p 7*; Mar 2 p 5; Mar 9 p 5; Mar 16 p 5; Mar 23 p 5; Mar 30 p 6; Apr 6 p 7; Apr 13 p 5; Apr 20 p 5; Apr 27 p 5; May 4 p 5; May 11 p 5; May 18 p 5; May 25 p 5; June 1 p 5; June 8 p 5; June 15 p 5; June 22 p 5; June 29 p 5

Welded Rail (See Rail)

Welded Steel Pallet, Econoweld, Jan 26 p 33*

Welder, G.E. 300-amp. a.c., Mar 23 p 57*

Welding Exposition to be Held in June, Mar 2 p 19

West Disinfecting Company: Gripsheen Floor Finish, June 29 p 38

Western Association of Railway Tax Commissioners: Officers, Apr 6 p 100

Western Maryland: Debt Adjustment Plan, Apr 6 p 8

Freedom Foundation Award Received for Gettysburg Pageant, Mar 2 p 7

Western Pacific: Cachet to Mark 50th Anniversary, Feb 2 p 50

Fiftieth Anniversary, Mar 16 p 13*

Pacific Coast Freight Time Cut, Mar 30 p 11

Stock Option Plan for Key Personnel, June 15 p 144

Whitman, F. B., to Serve Until His Death, June 8 p 7

Western Railway Club: Officers, June 15 p 134

Western Traffic Association: H. C. Barron Named Chairman of Executive Committee, Apr 13 p 19

RAILWAY AGE—Index

Western Transit Systems, Inc., Buys Pacific Electric Passenger Service, Mar 16 p 22

Westinghouse Air Brake Company: Control of Le Roi Company Purchased, Mar 9 p 16

Melpar, Inc., Applies Operations Research Technique, Apr 20 p 71*, p 73*, p 75*

Part of R. G. LeTourneau, Inc., Purchased by, May 4 p 16; May 25 p 21

Union Switch & Signal Division: C.N.R.: C.T.C. Installation, Apr 20 p 90*

Electroplating Facility at Swissvale, June 8 p 10*

Foreign Railway Technicians Visit Plant, Jan 12 p 13*

S.A.L.: C.T.C. Installation, June 20 p 56*

Westinghouse Electric Corporation: Heaters, Industrial, June 1 p 52*

Luminaires, Upward Component, Feb 9 p 65*

Microwave Equipment, Apr 6 p 49*

Plan for Locomotive Renewal Parts, May 11 p 22

To Aid Dutch Manufacturers in Producing Diesel Locomotives, Mar 2 p 20

What Diesels Mean to Railroads, Apr 6 p 69*

Wharfage Allowances to the Army at Norfolk; Case Reopened by L.C.C., Feb 9 p 16

Wheel Checking Device Tested on R.F.&P., Mar 2 p 18*

Wheel Shop at Marshall, Tex., Laid Out with Aid of a Scale Model; T.&P., June 29 p 52*

Wheels: How Griffin EQS (A.R.A Type X-3) Wheels Are Made, Apr 6 p 84*

Wilson Movable Car and Window Washer, Jan 10 p 34*

Winch, Portable Electric Power, Jan 19 p 25*

Wincharger Storm Master Generator, May 4 p 45*

"Winchargers" Used by C.&E.I. at Goodwine Interlocking, Apr 20 p 76*

Window Signs, Adhesive, May 18 p 154*

Window Washer, Wilson Movable, Used on A.T.&S.F., Jan 9 p 34*

Wisconsin Central: Reorganization Proceedings, June 22 p 35

Wisconsin Model VG4D Gasoline Engine, Mar 9 p 102*

Wolf Management Engineering Company Report on the I.C.C., Feb 9 p 16; Mar 23 p 12; June 1 p 8

Women in Railroading: Tegtmeyer, Ruth H., Appointed Vice-President of T.A.A., Apr 6 p 96

Yarwood, Margaret, Appointed Special Representative of the C.&N.W., Apr 6 p 93*

Women's Traffic Club of New York: Officers, June 15 p 133

Women's Traffic Club of San Francisco: Officers, Apr 6 p 96

Wood Preservation: A.W.P.A. Discussions, May 4 p 83*

Packaged Lumber, What About, May 4 p 88

Vapor-Drying Process Tested on Boxed-Heart Douglas Fir Ties, Feb 2 p 41**

Wood Products Company: Vertical-Grain Car Decking, May 4 p 45*

Wooley Tie-End Remover, Mar 9 p 18*

"Work-Subject" Filing System: St.L.-S.F., Mar 23 p 78*

Working Capital, Increase in, Mar 23 p 127; June 15 p 142

Working Capital, 1945-52, Jan 12 p 149

Working Rules: B. of R.T. to Seek Changes in, June 15 p 8

Difficulty of Enforcing Rule 6, Jan 19 p 27; Jan 26 p 35; Feb 9 p 67

E.J.&E. Dispute with B. of R.T. Settled, Mar 30 p 21

Review of Developments in Operating Unions' Case in 1952, Jan 12 p 150, p 210

Wrench, Thor Impact, Mar 9 p 110*

Wrench, Tork-Hammer Impact, Mar 9 p 108*

[Roy V.] Wright Essay Contest, Fifth, Announced, Feb 9 p 17

[Roy V.] Wright Essay Contest, Fourth, Winners of, Mar 9 p 12; Mar 16 p 20

Wyoming Intrastate Rates, I.C.C. Report on, Feb 23 p 60

Wyoming Valley Traffic Club: Officers, June 15 p 130

X

"Xpediter", Kalamazoo, Feb 16 p 33*

Y

Yale & Towne Manufacturing Company To Lease Equipment Through C.I.T. Corporation, Feb 2 p 16

Yard Air-Charging System, New; St.L.-S.F., Feb 23 p 22*

Yard Communication: Loudspeaker Installations in 1952, Jan 12 p 210*

Number of Systems in Service on January 1, 1952, Feb 16 p 12

Radio Installations in 1952, Jan 12 p 216*

Yard Operations: How Railroads are Improving, Jan 5 p 35*

St.L.-S.F. Uses Walkie-Talkie Radio to Transmit Car Numbers, Feb 2 p 50*

Yards:

- A.R.E.A. Report on, Mar 23 p 112
- Boston & Albany Back Bay Yards Sold, Feb 23 p 16
- C.M.S.P.&P. to Enlarge Bensenville Yard, Mar 16 p 26
- Flat Versus Hump Switching, Superintendents' Report on, June 15 p 131
- M-K-T Eureka Yards, Jan 10 p 16
- Operations Research in Finding Efficient Yard Capacity, Apr 20 p 75*
- S.P. at Houston, Mar 9 p 18; June 1 p 72*; June 29 p 60*
- S.P. Jennings Yard at Roseville, Cal., Jan 5 p 48*
- Southern to Built New Yard at Chattanooga, June 8 p 19
- TV Installations Might Lead to Better Service, Jan 26 p 50*
- U.P. at Kansas City, Work Begun on, May 4 p 19
- Year 1952 at a Glance, Jan 12 p 7*; Correction, Jan 19 p 7

BOOK REVIEWS

Basic Study in Traffic Management, Mar 23 p 144

Bituminous Coal Annual, 1952, Apr 20 p 45

Canada: The Golden Hinge, Mar 23 p 143

Cyclopedia of Commercial Products, Feb 2 p 55

Deep Water, June 15 p 89

Economics of Transportation, Apr 20 p 44

Electric Railways of Ohio, The, Feb 2 p 55

Executive Development, Apr 20 p 44

Executive Pay Plans, 1952-1953, June 15 p 87

Federal Regulation of Transport in the U. S. A., June 15 p 89

Great Railroad Conspiracy, The, June 15 p 87

Hear the Train Blow, Feb 2 p 55

Impact of Science on Society, The, Mar 23 p 61

Industrial Potentials of Southern Illinois, June 15 p 89

Industrial Traffic Management, May 4 p 40

International Railway Statistics, June 15 p 87

Introduction to Transport Economics, Mar 2 p 17; June 15 p 87

Lines of Character, Mar 23 p 144

New Roads to Adventure in Model Railroading, May 4 p 40

Picture History of B&O Motive Power, A, Mar 23 p 143

Popular Mechanics' Picture History of American Transportation, Feb 23 p 51

Practical Handbook of Industrial Traffic Management, May 4 p 40

Railroads of America, The, Apr 20 p 44

Railway Commercial Practice, Volume II, June 15 p 85

Sand in Their Shoes, Mar 23 p 144

Self-Propelled Diesel Cars and Multiple Unit Trains, Mar 23 p 71

Some Observations on Executive Retirement, Mar 9 p 86

Steam Locomotive in America, The, Mar 23 p 143

Trains Rolling, June 15 p 85

United States Railroad Administration Publications, Mar 23 p 144

ELECTIONS & APPOINTMENTS

[*Indicates photograph and sketch; †Indicates sketch only]

A

Aalberg, Henry A., Jan 19 p 56; Feb 9 p 96*

Abbey, H. C., Apr 13 p 24

Ackerman, H. W., Jan 12 p 252

Adair, W. W., Apr 13 p 24

Adams, Arthur A., Mar 23 p 118

Adams, E. E., June 15 p 151

Adams, George W., Jan 26 p 63*

Adams, Judd F., Jan 26 p 57

Aechbacher, H. E., Feb 23 p 72

Agnew, A. A., Mar 30 p 23

Aligrin, W. H., Jr., Apr 13 p 25

Aitchison, Beatrice, Apr 13 p 12

Aker, Roy L., Mar 23 p 135†

Albritton, Otis O., June 15 p 134

Alderman, Sidney S., Apr 6 p 106

Aldworth, Edward H., Mar 16 p 21

Alexander, J. R., Jan 19 p 49

Alexander, L. B., Feb 23 p 72

Algire, Robert B., Jan 26 p 58

Allardice, J., Haden, May 4 p 9

Allemann, Herbert J., Apr 27 p 22

Allen, John C., Feb 9 p 13

Allen, Samuel G., Apr 27 p 22

Alles, John P., June 1 p 88

Allington, H. C., Feb 9 p 18*

Allison, Alexander M., Jan 19 p 56

Alonso, Manuel, Jan 19 p 49*

Althaus, William R., May 18 p 194; June 15 p 148†

Alyta, Algrid M., Mar 2 p 19; Mar 16 p 23*

Amick, C. M., June 29 p 62

Amis, Richard S., Feb 16 p 57

Amoros, Roberto, Jan 12 p 230; Apr 6 p 106

Anderson, A. L., May 18 p 201

Anderson, A. R., Jan 19 p 54

Anderson, Gaylord, Jan 19 p 54†

Anderson, George A., Jan 12 p 252, p 248*

Anderson, J. D., Mar 9 p 139

Anderson, L. A., Apr 6 p 106

Anderson, Robert W., Apr 13 p 24

Anderson, W. F., Mar 23 p 123

Andrews, C. A., Mar 9 p 138; Apr 20 p 106*

Angell, James B., Jan 12 p 252

Anne, George E., Mar 16 p 21

Applegate, Theodore E., June 29 p 62

Appleton, Oliver D., Jan 26 p 51

Arban, C. J., Apr 20 p 108

Armstrong, G. C., May 18 p 194

Armstrong, J. E., June 15 p 133

Armstrong, Robert D., Apr 20 p 108*

Armstrong, William F., Mar 9 p 141

Arpaia, Anthony F., June 1 p 63*

Ash, Phillip P., June 1 p 93*

Atwood, H. Brad, Jan 19 p 58

Austin, Frank S., May 25 p 28*

Austin, Joseph A., Apr 27 p 29

Avent, Martin D., June 1 p 29

Aylmer, F. G., Mar 9 p 138

B

Babcock, F. C., May 25 p 27

Babcock, Harry, Feb 16 p 49

Babcock, Scott R., June 15 p 140

Back, H. M., Jan 19 p 54

Back, Maude F., Jan 26 p 57

Bahr, Charles F., Jan 26 p 63

Bailey, E. H., May 25 p 27*

Bailey, James C., Mar 30 p 28*

Baily, Robert H., Apr 20 p 108

Baker, J. T., June 15 p 139

Baker, Robert L., Jan 12 p 257

Baker, W. H., June 8 p 24

Baldwin, R. B., Jan 12 p 264

Baldwin, William A., Jan 19 p 50

Ball, William H., June 1 p 90

Balte, Harold E., May 11 p 27

Balz, Charles E., May 4 p 17

Bamford, Wellington A., Jan 12 p 264; Feb 23 p 73*

Bancroft, J. Sellers, Apr 6 p 104

Bannon, W. F., May 11 p 26

Bardgett, A. L., Jan 19 p 54†

Bardwell, R. C., May 25 p 30

Barker, J. E., June 20 p 58

Barlow, Elmer H., May 11 p 26; June 15 p 146*

Barlow, Frank, Jan 19 p 53

Barnes, M. Edward, Jan 19 p 53†

Barnes, S. I., May 25 p 30

Barngrave, James L., Jr., May 25 p 26

Barnhart, E. H., Mar 9 p 139

Barnhill, R. B., Jan 13 p 15

Barr, Roy E., June 20 p 60*

Barrett, John A., Jan 12 p 255; Jan 19 p 53

Barrett, W. E., May 18 p 197; May 25 p 36

Barrett, William J., June 8 p 25

Barriger, J. W., Feb 9 p 94

Barriger, John W., Jan 5 p 13; Feb 9 p 8; May 25 p 14*, p 26

Barron, Harry C., Apr 13 p 19†

Barron, George J., June 8 p 24

Barton, D. E., Feb 9 p 89

Batchman, R. F., May 11 p 34

Bateman, J. Carroll, June 8 p 24; June 15 p 146*

Batts, A. L., June 15 p 146

Bauer, James S., Mar 16 p 30

Bay, Roger O., June 20 p 59

Bean, O. Nelson, Apr 27 p 14

Beard, James G., Apr 6 p 106

Beard, Walter H., Apr 27 p 28; June 15 p 150*

Beardsley, E. L., May 11 p 16

Beaver, Roy C., May 30 p 28*

Bechtel, Stephen D., Jan 5 p 18

Beck, Dave, Mar 2 p 11

Beckel, L., Apr 20 p 120

Beckman, Clarence J., June 22 p 34

Beeder, R. H., June 15 p 151; June 29 p 66*

Beerman, O. A., Feb 9 p 94†

Begien, R. N., Jr., Feb 2 p 53*

Behler, Donald L., Mar 9 p 139

Behr, Bert L., Feb 23 p 69; Mar 9 p 140*

Beischer, G. M., June 15 p 163

Bell, C. E., Apr 13 p 23; Apr 27 p 28

Bell, Fred C., Apr 13 p 25

Bell, Wyatt J., May 25 p 30

Belury, N. George, Apr 20 p 101†

Benedetto, H. A., Mar 9 p 138‡

Bender, C. H., Jan 5 p 53; Feb 23 p 63*

Bengtsson, Edward W., Mar 23 p 136‡

Bergenhofer, M. T., May 11 p 34

Berry, E. S., Feb 23 p 62‡

Berry, Harold H., Apr 27 p 22

Bertelsen, J. E., Jan 12 p 252

Best, Harland H., Apr 6 p 104*

Bewick, R. M., June 29 p 18*

Betts, G. R., June 29 p 50†

Betts, William F., May 18 p 204

Beyers, Allan F., May 18 p 176

Bialetti, Hewitt, May 18 p 194; June 15 p 148*

Biagianni, B. F., April 27 p 28‡

Bick, Carl A., Mar 2 p 24; Mar 23 p 129, p 132*

Biggs, S. E., Jan 19 p 50

Bikle, W. E., June 29 p 59*

Billings, W. F., Apr 13 p 24*

Bingaman, Pierce, Mar 16 p 22

Birchard, R. B., Apr 6 p 108

Birk, George W., Mar 30 p 29

Birkenshaw, E. S., Mar 23 p 95

Bissell, Charles N., Feb 16 p 62

Bitner, Henry C., Mar 10 p 28

Bixby, A. M., June 22 p 34

Bjorklund, W. R., Mar 16 p 30

Black, A. C., Feb 9 p 100

Black, H. L., Apr 20 p 93

Black, Hugh, Apr 20 p 101*

Blackburn, E. J., Jan 12 p 255

Blair, David W., June 22 p 38

Blair, Harold D., Jan 12 p 252

Blake, J. H., Feb 9 p 94; June 20 p 62

Blake, J. W., June 15 p 147

Bland, C. R., Jan 19 p 57

Bleam, E. C., Jan 26 p 57

Block, E. H., Jan 19 p 54

Block, Joseph L., May 18 p 183

Bloom, Leonard V., June 15 p 140

Blosser, Robert E., Apr 6 p 106

Blum, Bernard, Mar 16 p 30

Blum, Leo M., May 18 p 200

Blumenthal, Russell E., May 11 p 27

Bobb, Jacob A., Jan 12 p 264; Mar 16 p 30

Boerner, Albert T., Mar 9 p 139

Bolick, Ralph E., Jan 19 p 56

Bolmgren, Ernest W., Feb 9 p 98

Bolstad, J. W., Mar 16 p 30

Bolton, William E., Jan 12 p 248*

Bonbrake, Ralph W., May 11 p 30

Bond, J. D., June 22 p 35

Bonelli, J. A., June 22 p 35

Bongard, W. J., Mar 23 p 123; Apr 13 p 20

Bonnet, Edwin S., Jan 12 p 264

Booth, I. Walter, May 11 p 26; June 15 p 145*

Bopp, Everett W., Feb 9 p 96*

Boren, Kenner S., Apr 20 p 110

Borman, John A., Apr 13 p 20

Borntrager, Karl A., Jan 12 p 252; Mar 30 p 28

Bottfelden, F. R., Apr 20 p 108

Bourgerie, R. H., May 11 p 26

Boyd, Richard M., Jan 19 p 50

Boyle, James C., Jan 26 p 64; Feb 23 p 72‡

Bradbury, Gay M., June 15 p 151

Bradley, Ernest E., Jan 19 p 56

Brakke, H. E., June 1 p 93‡

Brandenburg, John, Apr 27 p 22

Bready, William R., III, Mar 23 p 134†

Breau, Joseph A., Feb 9 p 96

Breiner, L. W., Jan 19 p 53

Brentlinger, P. D., May 4 p 88

Bretrey, Pierre, Jan 19 p 43*

Brewster, Derrick L., Apr 27 p 26

Bridges, H. M., Apr 13 p 21

Briggs, Dwight G., Feb 23 p 72

Briley, Dean A., May 25 p 26

Brimmer, George H., June 15 p 151*

Birthistle, A. R., June 1 p 90‡

Broadway, Fred C., Jan 26 p 57

Brobst, E. H., Mar 30 p 29

Brock, J. M., Jan 12 p 256

Brobaugh, R. G., Mar 16 p 30

Brom, George F., May 25 p 27‡

Bronson, C. B., Mar 9 p 140*

Brooks, Charles P., Jan 5 p 53‡

Brooks, Charles W., Apr 27 p 26

Brooks, D. O., Mar 23 p 122*; Correction, Apr 20 p 101

Brooks, H. A., Jan 26 p 63

Brown, A. C., Jr., Mar 9 p 17

Brown, E. C., Feb 9 p 94

Brown, E. E., June 29 p 61

Brown, E. J., Jan 19 p 56*

Brown, H. D., Apr 6 p 108

Brown, Leo A., Jan 12 p 266*; Jan 26 p 64‡ (Correction); Feb 9 p 14*

Brown, Roger F., May 18 p 193*

Brown, Col. S. R., Mar 2 p 11

Brown, Vincent P., Mar 23 p 136*

Brown, Warren W., Jan 5 p 13; Jan 12 p 246*; Jan 19 p 52

Browne, K. A., Jan 26 p 64

Brownell, B. B., Jan 12 p 14*

Bruck, Clifford C., Feb 9 p 94

Brugger, James B., June 29 p 62

Brun, Melvin W., Mar 9 p 141

Buchelman, Herman E., Mar 16 p 29‡

Buchman, Abraham M., May 18 p 190

Bucklin, R. G., Jan 12 p 255

Budd, Ralph, Apr 27 p 22

Buddington, Robert M., Apr 27 p 26

Bulash, Frank E., May 25 p 27‡

Bull, C. B., May 25 p 21

Bullard, E. C., Apr 13 p 22

Bullard, James B., Mar 16 p 29

Bullard, Roger S., Apr 27 p 22

Bullard, W. T., June 1 p 92

Bunce, F. W., May 18 p 203*

Bunjer, J. A., June 29 p 49

Bunn, H. S., June 15 p 139

Burch, Lowell R., June 29 p 18

Burkard, Frank, June 22 p 38

Burke, D. O., May 11 p 26

Burke, F. A., Jan 12 p 255; Feb 23 p 60*

Burkett, Charles W., Jr., May 18 p 197

Burke, W. H., Feb 16 p 54; Mar 2 p 21*

Burkhardt, A. A., June 8 p 25; June 15 p 116

Burns, V. T., June 15 p 163

Burns, W. G., June 1 p 90

Burr, C. Robert, May 18 p 201

Burt, H. Gordon, Jan 26 p 57

Busch, Charles K., June 22 p 34*

Buddecker, R. H., June 15 p 152

Bush, Robert F., Feb 23 p 60; Mar 9 p 140*

Buterbaugh, J. N., Jan 26 p 63

Butler, Daniel J., May 18 p 201

Byers, Buckley M., Apr 20 p 104*

Byrd, Ernest N., Jan 12 p 252; Mar 30 p 28

Cabot, John M., June 8 p 12

Cahoon, John L., Apr 20 p 108

Calder, Alexander Jr., Jan 26 p 51

Call, Dan, Jan 12 p 16*; (Correction) Feb 23 p 62

Callaway, Merrel P., Jan 26 p 51*

Came, Charles A., June 1 p 90‡

Cameron, D. W., Jan 19 p 49*

Campbell, Albert G., June 29 p 62

Campbell, C. H., Mar 30 p 28‡

Campbell, F. G., Mar 23 p 95

Campbell, H. A., Mar 30 p 29

Campbell, John W., Feb 23 p 62

Candler, Frank H., May 11 p 27

Canny, James P., Feb 9 p 93

Cantwell, J. R., May 11 p 26*

Capistrant, D. T., June 1 p 93

Caputo, Michael, May 25 p 27

Carduff, J. A., May 18 p 203

Carl森, E. A., June 8 p 12

Carl森, E. A., Feb 16 p 54

Carlson, Glenn H., Jan 12 p 252; Feb 23 p 63*

Carlson, Milton C. R., Apr 20 p 108

Carmichael, K. D., Jan 5 p 55; Jan 19 p 54

Carney, Kenneth A., June 29 p 61

Carpenter, J. M., June 15 p 152

Carr, G. M., Mar 23 p 140; Apr 20 p 126‡

Carr, Robert F., Jr., Jan 19 p 49; Mar 2 p 22*

Carroll, J. E., Apr 27 p 26

Carter, T. P., Apr 6 p 106

Cartland, J. C., Apr 13 p 24

Case, Rogers, Jr., Jan 26 p 57

Casey, K. S., Apr 27 p 29; May 18 p 203

Casgrain, George D., Jr., Jan 26 p 56

Casson, L. T., Mar 9 p 141

Caywood, J. A., Mar 9 p 139

Cedarleaf, N. N., May 18 p 203‡

Chamberlain, K., June 15 p 164

Chapman, E. W. G., Jan 19 p 57; Mar 9 p 140*

Chapman, Roy B., Jan 12 p 264

Chapman, W. E., Mar 9 p 141; Mar 30 p 29*

Chase, M. E., Jan 19 p 53

Cheely, H. M., Apr 6 p 106

Chew, M. G., Apr 6 p 106

Chidley, William H., May 11 p 34

Chilcot, Kenneth B., May 18 p 197

Child, Wallace A., Mar 30 p 29

Chinland, James T., Mar 9 p 17*

Christensen, Vernard M., June 15 p 145*

Christiansen, A. L., Feb 16 p 59

Christie, R., Apr 20 p 125

Christy, Charles O., June 15 p 139

Christy, Gordon K., June 15 p 139

Christy, William G., Jan 26 p 57‡

Cleiske, Albert J., Mar 30 p 28

Cloff, Vincent R., Mar 16 p 22

Clancy, S. M., Feb 16 p 54

Clark, Fred A., Mar 16 p 27

Clark, H. H., June 15 p 130

Clark, Herbert, Jr., June 22 p 31

Clark, Richard J., June 22 p 31

Clark, W. K., June 29 p 61

Clarke, Allen W., Feb 9 p 90

Clarke, Herbert R., Jan 19 p 56*; Feb 9 p 98

Clarke, Owen, May 25 p 14

Capt. Capt. Robert A., Apr 20 p 110

Clarkson, T. A., Feb 16 p 58‡

Clegg, C. B., Mar 9 p 141

Cleland, John H., Mar 16 p 21

Clem, Albert H., Mar 23 p 123

Clifford, Stephen A., Mar 16 p 29*

Clinker, Charles C., Feb 9 p 94

Clinton, M. R., Mar 16 p 27‡

Clisbee, D. E., June 15 p 139

Clutz, John J., Jan 19 p 56*; p 57

Coakley, John P., Feb 9 p 17

Cobb, R. S., May 18 p 194

Cobb, Thomas E., Jan 19 p 53

Cochrane, W. F., Apr 20 p 108

Coffey, Guy J., Jan 12 p 15

Cogan, M. S., Feb 23 p 63, p 66*

Cole, C. W., June 15 p 163

Cole, P. A., Apr 13 p 25

Coleman, L. B., Feb 9 p 93

Collins, Donald J., Jan 26 p 63

Collins, J. A., June 22 p 38

Collins, Lewis A., May 25 p 27‡; June 29 p 64*

Collins, W. F., May 25 p 30

Collins, W. O., June 1 p 90‡

Collinson, J. T., Mar 9 p 139

Colman, W. T., June 29 p 18

Condon, Arthur D., Mar 2 p 11

Core, Earl C., Mar 30 p 29

Conklin, Harry, Feb 9 p 90

Conn, James S., June 8 p 24

Connaughton, J. F., June 8 p 19

Connolly, C. J., Apr 27 p 28

Connor, Paul E., Jan 5 p 18

Conrad, Frank J., Jan 5 p 55*

Cook, A. E., Mar 9 p 138

Cook, C. Brenton, Jan 26 p 57*

Cook, E. H., Apr 6 p 106

Cook, H. V., Jan 19 p 54*

Coolidge, Victor R., Jan 12 p 264; Feb 9 p 98

Coolidge, Guy O., Mar 16 p 29

Combes, Arthur L., Mar 9 p 138

Cooney, J. F., June 15 p 152

Corcoran, John F., Mar 16 p 21

Corey, Hamilton, June 29 p 18

Corlett, Frank K., Mar 23 p 140

Cosby, C. C., Mar 16 p 29

Costello, Bernard P., Apr 13 p 25; June 15 p 150‡

Costello, T. J., Feb 2 p 47*

Cottrell, R. B., Jan 19 p 48*; Correction, Feb 9 p 80

Cotter, G. L., May 18 p 183*

Cotter, J. C., Jan 19 p 58

Coulston, Leslie T., Mar 23 p 134

Coverston, Fred L., Jan 12 p 132

Cowan, C. V., Feb 2 p 53

Cowles, R. W., June 29 p 61

Cox, Clyde C., Jan 5 p 55*

Cox, E., Mar 30 p 23

Cox, L. T., Apr 6 p 106

Cox, L. W., May 11 p 26; May 18 p 193; June 15 p 145*

Cox, W. W., June 15 p 122*

Coyne, William F., Feb 2 p 54*

Crabb, Earl E., Apr 20 p 106

Craft, Robert G., June 22 p 38

Cragin, Joseph J., Jan 12 p 257

Crane, Leo V., Apr 27 p 28; June 1 p 92*

Crane, Robert J., Jan 12 p 265*

Cranwell, James L., Mar 30 p 28; May 4 p 89*

Craw, C. M., May 11 p 34

Crawford, Claude, Apr 13 p 25

Crawford, Oliver L., Mar 2 p 24*; Mar 16 p 29

Crawford, Robert L., Jan 12 p 256

Crechore, Walter M., May 11 p 30

Crippen, C. E., May 11 p 26*

Crockett, L. Gordon, Apr 20 p 110

Croft, William C., Jan 26 p 57

Croghan, H. M., June 29 p 61†

Crookshank, Arthur J., Jan 12 p 256; Feb 23 p 69*

Crosbie, William J., Jan 19 p 54†

Cross, R. I., Feb 2 p 54

Crowley, John W., Mar 16 p 28

Cruikshank, C. Gordon, Apr 6 p 93

Cryer, A. W., Feb 9 p 89

Culbreth, R. F., June 15 p 152

Cullen, John, Jan 12 p 15

Culpepper, John S., Apr 27 p 28

Cunningham, J. Clyde, Apr 13 p 25; June 15 p 150‡

Cummings, Chester W., Jan 12 p 256

Cummings, E. M., Mar 9 p 139

Cummins, T. J., Feb 9 p 94

Cunningham, James H., Jan 12 p 257; Jan 19 p 53

Curley, W. J., Jan 5 p 14

Currie, R. C., Apr 6 p 101

Custis, W. S., Apr 13 p 21‡; Correction, Apr 27 p 26

Cutler, William F., Apr 6 p 101*

Czelkowitz, R. F., Jan 19 p 58

D

Dan, John, Jr., June 1 p 93

Dana, William H., Apr 13 p 19‡

Danford, Fred D., Jan 19 p 57‡

Daniel, Norman H., May 18 p 179

Daniels, A. S., May 4 p 88

Dansberry, George A., Apr 13 p 25; May 11 p 27

Dare, James E., Feb 9 p 92; Mar 23 p 129*

Darrow, Francis, May 4 p 17

Daugherty, R. B., June 15 p 113

Davidson, T. F., Apr 6 p 108

Davies, Edward L., Mar 9 p 139

Davies, W. L., Jan 19 p 50

Davis, A. E., Jan 5 p 56; Apr 20 p 126

Davis, Herman B., Apr 27 p 29

Davis, Ira, Feb 2 p 53

Davis, J. B., Jr., Apr 6 p 108

Davis, R. E., Jan 19 p 54

Davis, Rowland L., Jr., Jan 5 p 53*

Davis, Wilbur F., Mar 30 p 28; Apr 20 p 110, p 116*

Dawson, Fred A., Mar 30 p 28

Dawson, V. N., Jan 26 p 63*

Day, J. Bernard, May 11 p 27

Deahl, Ralph P., Apr 20 p 110

Dean, Robert M., Jr., Jan 12 p 16

Deany, Herbert J., Apr 20 p 106*

DeButts, Harry A., Apr 6 p 103

Deegan, Thomas J., Jr., Apr 20 p 18

Deets, W. F., Apr 6 p 108

Deforest, J. E., June 15 p 163

Delbel, Charles B., May 11 p 26‡

Deissler, Henry, Jan 5 p 54

Dejaiffe, Raymond, Mar 9 p 141

deLambert, G. M., Mar 16 p 30‡

Delaney, John P., Mar 30 p 23*

Delaney, W. M., Jan 19 p 53

Demattei, A. E., Jan 26 p 41

Dennedy, J. D., June 22 p 34

DePriest, J. R., June 29 p 58

Derry, H., Jan 26 p 63

Deshnerow, J. H., Feb 2 p 54*

Devol, John, Mar 16 p 22

Deweese, Samuel B., Feb 9 p 94

Dickerson, S. M., Jan 12 p 255

Dickey, R. F., June 1 p 90

Dickson, M. S., Jan 5 p 17*

Dickson, W. M., Apr 27 p 29

Dillard, William E., Jan 26 p 51, p 62*

Dilley, Chester C., Feb 9 p 14*

Dillon, S. E., Feb 9 p 96

Dimmick, Paul V., June 1 p 86*

Dirks, Harold L., June 15 p 140

Diven, A. Clyde, May 11 p 27

Dobrow, L. C., June 29 p 59

Doe, John J., Feb 16 p 29

Dolan, M. V., Apr 13 p 25‡

Donahue, G. T., Mar 9 p 140

Donnelly, J. B., Jan 12 p 252; Feb 23 p 63‡

Donovan, C. T., Feb 9 p 89; Mar 2 p 20*

Dorian, Otis S., Apr 27 p 28

Dortch, J. S., Jr., June 1 p 90

Doughman, W. M., Jan 19 p 49

Douli, G. R., Jan 19 p 57

Downs, James R., Apr 6 p 104

Drew, H. R., May 18 p 204

Drewinak, Robert J., Apr 13 p 20

Drews, L. P., June 15 p 113

Drill, Walter L., Apr 27 p 28

Dring, John, Jan 12 p 252

Droke, J. C., Apr 13 p 21‡

Drommerhausen, R. W., June 29 p 64

Drysdale, Robert M., Jr., Apr 13 p 12

Ducey, John F., Jr., Mar 16 p 21‡

Dudice, C. E., Apr 20 p 108

Duhne, H. H., May 25 p 30

Duffy, Ben K., June 8 p 12

Duffy, L. F., Apr 13 p 20

Duggan, John J., Apr 13 p 22

Dumich, Harry J., May 18 p 179*

Duncan, J. A., May 25 p 30

Dundas, James A., Mar 9 p 138‡

Dunford, Lon M., Jan 12 p 256

Dunlap, H. P., Jan 12 p 248

Dunlop, D. M., June 15 p 150

Dunn, Curtis H., May 11 p 27

Dunn, M. L., Feb 2 p 53; Feb 9 p 52

Dunning, E. M., Jan 26 p 63

Dunphy, K. A., May 25 p 30

Dunsmore, D. F., Jan 12 p 258*

du Pont, Francis V., Apr 6 p 93

Durban, W. K., June 22 p 34

Durham, H. L., May 25 p 27

Dwyer, M. R., Jan 5 p 54

E

Eakin, R. J., Apr 27 p 28

Eastham, G. H., June 15 p 151

Easton, O. L., May 25 p 30

Eckfeldt, William P., May 25 p 27

Eckles, A. L., Mar 30 p 29‡

Edbrooke, M. F., Apr 13 p 19‡

Eddington, R. L., Apr 6 p 106

Edmonson, R. L., Mar 2 p 25

Edwards, F. E., June 15 p 163

Edwards, W. W., Apr 27 p 29

Ehlen, G. F., Jan 19 p 54*

Ehlers, M. A., Jan 5 p 55

Elchten, David M., Jan 12 p 255; Mar 9 p 118

Eldit, W. R., June 8 p 24

Eisenhauer, Robert S., Jan 26 p 64

Ekhholm, John R., Jan 19 p 53

Elder, J. F., Feb 9 p 94

Ellidge, Leroy McC., Apr 27 p 28; June 22 p 35*

Ellert, George C., Mar 16 p 28

Ellicott, Charles R., May 18 p 183

Ellis, C. O., Jan 26 p 56

Ellis, F. M., June 1 p 14

Ellis, George D., Apr 27 p 22

Elmore, S. W., June 29 p 61

Elwin, J. W., Apr 13 p 20†

Emrick, V. B., June 29 p 18

England, Edward J., Feb 9 p 89*

Engle, Donald E., June 29 p 61

Enright, John J., Apr 27 p 29

Enslinger, W. C., May 25 p 27

Eppier, George J., May 18 p 200

Eps, K. E., Apr 20 p 108

Erickson, Robert C., Feb 9 p 96

Erlensbach, William E., May 18 p 197

Ernst, Ellis W., Apr 6 p 106‡

Esslinger, R. M., Apr 6 p 106*

Ettinger, Robert L., Jr., Mar 9 p 138

Ewer, Herbert D., Feb 9 p 90*

Ewart, Ewart T., June 8 p 12

Evans, Ralph D., Apr 20 p 126

Everett, E. E., May 11 p 26

Ewing, Charles O., Mar 23 p 134

F

Fagan, F. J., Jan 19 p 53

Fagan, Thomas Z., Mar 2 p 21

Fagen, J. C., June 8 p 21

Fairfield, R. F., Feb 9 p 91‡

Fairlie, Chester W., June 1 p 88

Fallas, E. L., Jr., May 11 p 22

Farlow, P. R., May 11 p 16

Farnham, F. S., Mar 2 p 24

Faus, Herbert W., Feb 23 p 73‡

Fawcett, Dwight A., Mar 30 p 28; May 4 p 89*

Fawcett, Richard O., Mar 16 p 29

Fecht, Anthony C., Mar 2 p 21

Fegley, Henry R., Apr 13 p 25

Feltt, Leonard E., Feb 9 p 89*

Felstead, F. A., Mar 9 p 139

Ferguson, I. M., June 1 p 89*

Ferguson, John A., Feb 9 p 96; Mar 23 p 140

Ferner, D. E., June 15 p 130

Feucht, Paul E., June 22 p 10

Fiske, J. W., Apr 13 p 25

Finger, B. F., Jan 12 p 258

Finnigan, Andrew G., June 1 p 86*

Finn, Charles E., May 11 p 22

Finnegan, E. J., May 25 p 30

Fischer, George J., Feb 9 p 89*

Fisher, A. W., June 29 p 18

Fisher, E. F., Jan 12 p 252

Fisher, Lyman W., Mar 16 p 28

Fisher, Ralph B., June 1 p 93

Fitzgerald, Edward W., Jan 19 p 50

Fitzgerald, John M., Jan 19 p 8*, p 51‡

Fitzpatrick, J. H., May 11 p 22

Fitzpatrick, John J., Feb 9 p 92*

Fitzpatrick, T. P., June 1 p 88

Flaherty, C. J., June 22 p 35

Flanagan, George J., May 11 p 34

Flanagan, R. J., Jan 12 p 256

Fleckenstein, Nathan L., Apr 6 p 106; May 4 p 93*

Fleischer, H. T., June 1 p 93‡; June 29 p 66*

Fleishman, Henry E., June 15 p 139

Fleming, Donald B., Apr 13 p 252; Feb 16 p 58*

Flemming, Dr. Arthur S., Feb 16 p 13

Fletcher, O. H., June 15 p 150

Fletcher, Robert V., Jan 19 p 16

Flinn, Leo, Jan 19 p 49

Flint, Sam H., Jan 12 p 15

Floersheimer, Walter D., June 1 p 88

Flynn, Francis V., Jan 12 p 252

Flynn, J. B., Feb 9 p 90‡

Foil, Michael J., Jan 12 p 252

Forbes, Lawrence T., Mar 9 p 139

Ford, F. M., May 11 p 30

Forsyth, Morris, Apr 27 p 20

Formby, J. R., June 15 p 116

Forsha, J. M., Jan 19 p 54

Foster, Byron L., Mar 16 p 21

Foster, J. Paschal, May 25 p 27

Foster, John W., Apr 20 p 108

Foster, Lee B., Mar 16 p 21

Foster, S. D., May 25 p 30

Foster, Samuel A., Mar 9 p 142

Foust, Charles L., Jun 29 p 62‡

Foutz, C. E., June 22 p 38

Fowler, Henry H., Feb 16 p 13

Fox, F. H., Jan 26 p 63

Francis, J. P., June 15 p 152

Francis, W. W., May 25 p 27

Frank, Arthur C., June 1 p 86*

Frank, G. C., June 29 p 51*

Frank, Richard S., Jan 12 p 15*

Frank, Hugo A., Mar 30 p 29

Fraser, G. K., June 22 p 38

Frasher, E. F., Feb 9 p 94

Fravel, Walter H., June 8 p 24

Freas, Howard G., June 1 p 12, p 85*

Free, A. F., Mar 16 p 27

Freeburne, Harold F., Apr 13 p 22

Freeburne, Roy W., Apr 13 p 22

Freeman, S. W., May 11 p 22; May 18 p 179, p 183*

Freels, John W., Apr 20 p 106*

Freudenthal, Roy, Mar 2 p 11

Frink, James C., Feb 23 p 61

Fritch, Ralph G., June 1 p 90; June 29 p 62*

Fritts, W. N., Apr 20 p 101

Fryer, F. J., June 29 p 62

Fuller, E. T., Feb 9 p 93

Fulmer, J. C., May 18 p 203

Fulp, C. C., Apr 20 p 108

Fulton, David C., Apr 13 p 20

Fulton, R. L., Mar 16 p 28*

Furlong, E. O'N., Jan 5 p 56

G

Gabriel, J. J., Jan 12 p 255

Gaffney, J. F., Jr., Jan 12 p 255; Feb 23 p 66‡

Gallagher, Frank J., May 18 p 197

Gallup, L. H., Mar 30 p 29

Galvin, Paul V., Jan 12 p 15

Gammon, C. A., Mar 16 p 30

Gandy, Joe M., May 11 p 30

Ganter, A. N., Apr 27 p 28

Gardner, J. E., May 25 p 30

Garellick, M., Feb 9 p 94; June 8 p 24

Garner, Noah, Apr 6 p 106

Garrett, W. C., May 25 p 27

Garity, Emmet J., Feb 16 p 59

Gasparski, A. E., Mar 2 p 21*

Gaylord, Bradley, Mar 23 p 127

Geary, R. I., Jan 12 p 252

Gehrung, John M., Feb 16 p 62

Geigle, R. W., June 1 p 90

Genet, Arthur S., June 8 p 20*

George, M. S., Apr 27 p 21

German, E. G., June 29 p 61

Gerrity, E. F., June 1 p 88

Getty, J. R., Apr 13 p 23; Apr 27 p 28

Geyer, Charles J., Mar 9 p 88*; Mar 23 p 95*

Gibbons, Edward J., June 29 p 64

Gibbs, Lewis T., Apr 6 p 101*

Gibson, O. V., Jan 12 p 255

Gibson, R. C., Mar 30 p 29

Gies, Henry, June 22 p 34

Gieskieng, M. W., Mar 2 p 18

Gieskieng, W. A., Mar 2 p 18

Gieskieng, Paul F., June 15 p 152

Gilchrist, Barth, Feb 9 p 89*

Gillies, Fred M., June 1 p 88*

Gilmant, George, May 18 p 200‡, p 201

Gilmore, Robert M., May 25 p 26*

Gilmour, John V., June 1 p 89

Giltroy, C. F., Feb 9 p 93; Mar 23 p 133*

Gilroy, Francis H., May 11 p 30; May 18 p 197

Girlden, G. R., May 25 p 30

Glosup, Virgil E., May 18 p 197; June 29 p 66*

Glover, E. R., May 4 p 17

Godfrey, R. E., June 29 p 62*

Gogan, M. S., Jan 12 p 254

Gohr, Walter J., May 11 p 30; June 1 p 93

Goodfellow, Thomas M., Apr 6 p 106

Goodfriend, R. E., Jan 26 p 57

Goodwin, Edwin J., June 1 p 90; June 15 p 148‡

Goolsby, T. W., June 29 p 62

Gordener, W. H., June 15 p 151

Gordon, Rex J., Jan 12 p 16

Gordon, Clarence M., Jan 26 p 61*

Gorman, C. J., June 8 p 12

Gorman, Edward A., Jr., June 22 p 31

Gosnell, Charles M., Apr 6 p 108

Gould, A. R., Apr 20 p 108

Gow, Charles W., Jan 5 p 55*

Gracey, T. J., Apr 20 p 108

Graff, R. H., May 25 p 30

Graham, R., Mar 16 p 28

Graham, Richard G., Apr 20 p 108

Grant, Otha C., Jan 12 p 254

Gray, H. Liggett, June 29 p 59

Gray, James B., May 11 p 26‡

Gray, Russell, June 8 p 25

Gray, William G., Mar 16 p 21*

Green, George E., Jr., Apr 20 p 108

Green, George L., Feb 9 p 89; Feb 23 p 62*

Green, Norvin H., June 1 p 88

Greenberg, Isaac, Mar 16 p 28

Greene, J. Charlton, May 11 p 27

Greenup, J. F., Mar 2 p 21*

Greenough, Allen J., Mar 30 p 28; May 4 p 89, p 92*

Gregg, C. M., Jan 5 p 56

Gregg, William G., Feb 9 p 17

Gregory, Bert E., Jr., May 18 p 200‡; June 15 p 151*

Griffin, R. T., Jan 19 p 56

Griggs, C. D., May 18 p 203

Griggs, R. Warren, Mar 30 p 28

Griggs, G. L., Mar 9 p 138

Grigsby, C. E., Jan 19 p 48; Feb 9 p 89*

Grimes, Clifford F., Mar 30 p 258

Griswold, W. W., Jan 12 p 255

Groark, Martin M., Feb 16 p 54

Groninger, Paul K., May 11 p 27; June 1 p 92

Gross, Paul, Jr., Jan 12 p 248; Feb 16 p 55*

Grotewohl, L. A., May 25 p 27

Grove, C. G., Mar 9 p 92*; Mar 23 p 94*

Grubbs, William L., Apr 13 p 24*

Guenzel, W. F., June 15 p 134

Guest, R. T., Feb 9 p 98

Guins, S. G., June 1 p 93

Gunn, E. S., June 29 p 59

Gunning, George J., Jan 12 p 252

Gunsalus, Clifford T., Jan 12 p 265; Feb 16 p 62*

Gustafson, Eric R., Jan 12 p 15

Gustaveson, M. E., Feb 9 p 92; Mar 23 p 129*

Guyston, Kenneth L., Jan 12 p 256

H

Hackney, Donald R., Jan 12 p 255; Feb 23 p 66‡

Hagen, A. M., May 18 p 204

Hagendorf, Frank, June 1 p 93

Haggerty, James J., June 8 p 25

Haign, A. S., Feb 9 p 104‡

Haign, Stan, May 18 p 176*

Hale, J. W., May 25 p 27

Hall, C. L., May 25 p 30

Hall, Earl D., Jan 5 p 55‡

Hall, M. S., Apr 20 p 108

Halleck, H. J., Apr 13 p 25

Halleck, Norman C., Mar 2 p 22‡

Hallen, F., Jan 12 p 252

Halpin, Charles B., Mar 16 p 29

Halpin, John A., Mar 16 p 29‡

Hamer, J. E., Mar 9 p 138

Hamilton, Donald, Jr., June 15 p 139

Hamilton, T. W., June 1 p 14

Hamilton, W. S. H., Feb 23 p 73*

Han, Orpha, Jan 19 p 56

Hancock, Edwin A., Mar 9 p 138‡

Hanes, H. L., Jan 12 p 255; Feb 23 p 66‡

Hankinson, Percy W., Mar 30 p 20; Apr 20 p 116*

Haney, E. C., June 15 p 152

Hann, Robert H., Jan 5 p 53; Jan 26 p 62*

Hanna, H. E., Apr 13 p 21

Hanna, H. P., June 29 p 62

Hansbury, John E., Feb 16 p 16

Hansen, Edward T., Apr 20 p 104

Hanson, L. O., June 1 p 93

Happe, H. H., June 29 p 61

Hardebeck, E. J., Jan 26 p 63; Mar 2 p 24§

ELECTIONS AND APPOINTMENTS—Continued

[*Indicates photograph and sketch; †Indicates sketch only]

Hardwick, Claude H., Apr 13 p 24; Apr 20 p 126
 Hardy, C. J., Jr., Jan 5 p 14
 Hardy, W. A., Jan 19 p 56
 Haring, Walter A., June 8 p 24
 Harkins, William D., Apr 13 p 25
 Harlan, M. B., Jan 19 p 58
 Harlan, M. B., Jr., Jan 19 p 58
 Harman, J. W., June 15 p 127*
 Harnish, W. O., Feb 9 p 94
 Harper, R. L., Feb 23 p 72
 Harper, W. O., May 11 p 16
 Harris, A. Mosby, Mar 2 p 24*
 Harris, H. F., June 20 p 61
 Harris, Jack, Jan 12 p 16
 Harris, Raymond A., Mar 9 p 141
 Harris, S. R., Mar 9 p 138
 Harris, Thomas P., Jan 12 p 15
 Harrison, F. E., Apr 27 p 29
 Harrison, F. E., III, Mar 16 p 29
 Hart, A. C., May 25 p 27
 Hart, Augustus, Apr 20 p 106
 Hart, Donald, May 25 p 30
 Hart, J. E., Jan 12 p 255
 Hart, J. H., Mar 9 p 17
 Hart, Roy P., Apr 6 p 93
 Hart, Thomas T., Feb 9 p 104; Apr 6 p 108*
 Hartley, E. Boykin, Jan 12 p 248; Feb 16 p 35*
 Hartman, W. N., Mar 2 p 20
 Hartung, Albert M., Jan 12 p 248
 Harwell, L. R., Mar 16 p 29
 Harworth, Donald S., Jan 26 p 57
 Haslett, Robert, May 25 p 27
 Haslett, Robert J., Jan 26 p 57
 Hasselbacher, H. H., Apr 6 p 108
 Hasselwander, Walter S., May 4 p 16*
 Hastings, Robert, Apr 13 p 20
 Hathaway, Gordon R., Feb 9 p 17
 Haugen, A. T., Jan 12 p 252; Feb 23 p 63
 Haugh, Jesse L., Mar 16 p 22
 Haupt, H. C., Mar 16 p 62
 Hayes, Reginald, Mar 16 p 27*, p 28
 Hays, T. W., Mar 2 p 20
 Hazelton, Hugh, Jr., Feb 9 p 90†; Correction Feb 16 p 54
 Hazlehurst, Charles M., Jan 12 p 257
 Healy, J. D., Mar 2 p 25; Mar 23 p 135*
 Heater, C. L., Jan 19 p 48; Correction, Feb 9 p 89
 Hebert, A. J., Apr 20 p 97
 Heck, Henry F., Jan 12 p 257
 Hedman, E. S., Mar 16 p 29
 Heerman, William J., Feb 9 p 94
 Hefner, Bert, Jan 12 p 14*
 Heileman, Maj. Gen. Frank A., Mar 30 p 12*
 Helmback, Arthur E., May 11 p 22; May 18 p 179*
 Held, Everett W., May 11 p 27
 Helsell, Charles A., Apr 20 p 106‡
 Hemann, Robert, June 15 p 140
 Hemphill, F. H., Mar 23 p 140
 Hendel, John H., May 11 p 30
 Henderson, A. C., May 11 p 27; June 15 p 150‡
 Henderson, H. T., Apr 29 p 108
 Henderson, K. E., Apr 27 p 29
 Hendon, Robert C., Jan 12 p 218; Feb 16 p 55*
 Hendrix, W. P., June 16 p 62
 Hendrie, R. A., Jan 26 p 56
 Henley, Russell G., Apr 6 p 108; Apr 20 p 125*
 Hennigan, R. J., Mar 30 p 29
 Henning, Joseph L., Apr 6 p 100
 Henricks, C. W., Feb 2 p 52*
 Henry, Carl R., May 18 p 197; June 15 p 148*
 Henry, Horace P., Jan 12 p 252
 Henry, John F., Mar 2 p 24
 Henry, Col. R. H., June 29 p 55
 Herbert, A. J., Feb 9 p 84
 Herbert, Bruce, May 25 p 22
 Herbert, C. W., Jan 5 p 54; June 20 p 62
 Herrin, W. H., Jan 12 p 254; Feb 23 p 66‡
 Herzog, S. E., May 11 p 26; June 22 p 35*
 Hertwig, Charles C., Jan 26 p 51
 Heselton, James A., Apr 27 p 29
 Hespen, J. W., June 15 p 152
 Hettlinger, George R., Feb 16 p 54*
 Hickley, E. E., May 18 p 201
 Hicks, Harvey W., Apr 13 p 25‡
 Hickson, F. W., June 15 p 113
 Hill, E. V., Apr 6 p 103
 Hill, F. E., Mar 9 p 130
 Hill, J. A., Mar 30 p 29
 Hill, Kenneth B., Apr 20 p 108
 Hill, Leonard, May 11 p 30
 Hill, P. S., June 22 p 14*
 Hill, Ray, Mar 2 p 24*; Mar 23 p 135
 Hill, Robert H., May 25 p 21*
 Hillman, A. B., Mar 23 p 94
 Hiltner, J. K., June 22 p 38
 Hilton, G. E., June 22 p 38
 Hilts, C. J., May 25 p 27

Hiltz, John P., Jr., Feb 9 p 98*; Feb 23 p 60
 Hinckle, A. K., Jan 12 p 257; Jan 19 p 53
 Hinmant, C. L., Mar 9 p 139; Mar 23 p 138*
 Hinshaw, H. E., Jan 12 p 254
 Hirschmann, George, Mar 9 p 138
 Hirshman, T. L., Apr 27 p 28; June 8 p 25
 Hitchcock, Roland M., June 15 p 164‡
 Hitel, G. C., June 1 p 93
 Hoar, William H., Mar 9 p 141
 Hobbs, Charles H., Jan 26 p 57
 Hoberg, F. J., June 15 p 151
 Hodgkin, R. G., Mar 9 p 139; Mar 23 p 136*
 Hoezel, John T., Feb 9 p 100; Mar 9 p 140*
 Hoesly, H. B., June 1 p 93‡
 Hoffman, F. L., June 22 p 38
 Hoffman, R. D., May 11 p 26; June 22 p 35‡
 Hofmann, W. G., Feb 9 p 94
 Hogan, Edward B., Apr 6 p 61
 Holbrook, Lawrence S., June 15 p 140
 Holdeman, J. E., Apr 13 p 23
 Holden, John, Feb 9 p 89
 Holderty, Wendell O., Jan 12 p 252
 Holland, S. J., Mar 16 p 22
 Hollard, Phillip A., June 29 p 50*
 Hollingsworth, R. E., Apr 20 p 108
 Holman, Verby R., June 1 p 93
 Holmes, Joseph A., Jan 12 p 264
 Holst, James F., Mar 16 p 27
 Holt, Clarence L., Jan 19 p 53
 Holtmann, J. Ferd., Jan 19 p 54
 Homberger, Dr. Ludwig M., Mar 2 p 12
 Homire, James L., Feb 16 p 57*; Mar 23 p 133
 Honza, Francis E., Mar 16 p 22
 Hooghikker, H. W., June 22 p 38
 Hook, Charles R., Jr., Jan 19 p 12; Jan 26 p 8*; p 54‡; Feb 9 p 13
 Hooper, A. W., Apr 13 p 20
 Hopkins, N. N., April 27 p 29
 Hoppe, E. L., Mar 16 p 29
 Horace, O. V., Apr 6 p 106
 Horning, E. W., Mar 23 p 75
 Horning, F. E., Feb 16 p 59
 Hornsby, L. H., Apr 6 p 108
 Horst, W. C., May 18 p 203
 Horstkotte, E. H., Apr 20 p 104
 Horton, Fred R., Jan 26 p 57
 Horton, William R., Jan 12 p 252
 Hotchkiss, R. G., Feb 23 p 73*
 Hotchkiss, W. J., Feb 9 p 94
 Householder, Frank J., Jr., Feb 2 p 51; Mar 9 p 142*
 Hoverson, J. B., Feb 16 p 59‡
 Hovious, William R., June 29 p 61
 Howard, A. R., May 11 p 16
 Howard, Blake C., Jr., Feb 9 p 80*
 Howard, K. S., Apr 6 p 93
 Howard, Lyde E., Jan 19 p 49
 Howard, N. D., Mar 23 p 95*
 Howard, O. V., May 11 p 30
 Howard, Paul D., Feb 9 p 90*
 Howe, H. B., May 11 p 30
 Howell, E. F., May 11 p 30
 Hoye, A. F., Mar 30 p 29
 Hubbard, J. J., Apr 20 p 108; Apr 27 p 28
 Hudgins, E. M., June 1 p 90
 Hudson, William L., Jan 26 p 62‡
 Huffman, Edwin H., Mar 23 p 140
 Hughes, J. W., Apr 20 p 126‡
 Hughes, S. O., June 15 p 163
 Hull, J. T., Jan 19 p 54
 Hulson, J. W., June 22 p 34
 Humbert, J. C., June 15 p 150
 Humfickhouse, B. R., Mar 30 p 28; Apr 6 p 106
 Hunt, Robert B., Mar 16 p 30; Apr 20 p 120*
 Husband, W. E., Mar 16 p 29
 Austing, C. E., Apr 20 p 110
 Hutchins, M. B., Mar 16 p 29‡
 Hutchinson, E. F., Apr 6 p 108
 Hutchinson, Frederick W., Feb 23 p 72*
 Hutchinson, John G., May 18 p 18
 Hutchinson, Walt W., June 15 p 130*
 Hurane, James F., Jan 12 p 15
 Hyatt, E. L., June 15 p 163
 Hyde, John B., Apr 6 p 103
 Hyde, Laurence M., Jr., Mar 16 p 27
 Hynes, Staother, May 18 p 194‡

Iams, Charles, Jr., Mar 2 p 22
 Inge, G. R., Apr 27 p 28
 Ingold, Donald B., Mar 16 p 28
 Instone, W. R., Mar 23 p 123*
 Irwin, Wayne, Feb 9 p 90*
 Isenberg, Martens H., Apr 27 p 22*
 Ives, A. L., Apr 13 p 25
 Izzard, A. W., Jan 5 p 55

J

Jaccard, R. E., Mar 9 p 16
 Jackman, Clarence E., Feb 9 p 100; Mar 9 p 139
 Jackson, P. W., May 11 p 30
 Jackson, E. D., Mar 2 p 25
 Jackson, H. A., Jan 12 p 15
 Jackson, W. M., Jan 12 p 252
 Jacobs, Richard E., May 11 p 22
 Jacobsen, Robert L., Feb 23 p 72; Mar 16 p 29‡
 Jackie, William M., Jan 12 p 264; Jan 26 p 64*
 Jakubec, J. A., Feb 9 p 94; May 11 p 26; June 22 p 35*
 James, Grover E., Feb 9 p 93
 James, Julian L., Mar 9 p 141; Mar 16 p 30*
 Jamieson, R. A., Mar 9 p 17
 Jamison, P. G., June 15 p 152
 Jasperse, F. E., June 15 p 139
 Jatzheimer, F. K., Mar 9 p 138
 Jenkins, R. H., Feb 16 p 54
 Jenks, Downing B., May 25 p 14*, p 26
 Jenner, L. M., May 18 p 201
 Jenni, C. B., Apr 6 p 93
 Jennings, M. L., Jan 5 p 48, p 51
 Jerky, Joseph W., May 11 p 30
 John, W. L., Mar 9 p 138
 Johns, Walter B., May 11 p 30
 Johnson, C. A., Jan 12 p 252
 Johnson, E. G., May 25 p 30
 Johnson, E. G., Jr., May 25 p 30
 Johnson, E. L., May 11 p 30
 Johnson, Eads, Jr., Apr 6 p 101*
 Johnson, Ernest C., Jan 12 p 252; Mar 30 p 29; Apr 20 p 116, p 116*
 Johnson, Glen R., Mar 23 p 122*
 Johnson, H. P., Mar 9 p 138
 Johnson, Harry R., Apr 27 p 22
 Johnson, Henry K., Jan 12 p 258
 Johnson, J. Monroe, June 22 p 10
 Johnson, L. L., Jan 12 p 14
 Johnson, N. R., Jan 12 p 252, p 254
 Johnson, Ralph P., May 18 p 176*
 Johnson, Raymond S., Apr 27 p 29
 Johnson, S. H., June 1 p 93‡
 Johnson, T. E., June 15 p 148
 Johnson, Vincent H., Apr 6 p 104
 Johnson, W. F., June 1 p 90; June 29 p 62‡
 Johnston, D. W., Jan 5 p 55
 Johnston, Earl G., Mar 9 p 139
 Johnston, H. D., June 8 p 25
 Johnston, H. E., May 18 p 183‡
 Johnston, Logan T., Jan 5 p 16
 Johnston, H. W., Mar 16 p 30
 Jolley, R. M., Feb 9 p 102
 Jones, A. E., Mar 16 p 22
 Jones, Bruce M., June 22 p 34*
 Jones, J. Benton, Mar 30 p 28; May 4 p 89, p 92*
 Jones, John C., May 18 p 197
 Jones, Norman H., Feb 16 p 60‡
 Jones, W. D., May 25 p 21
 Joslin, E. D., Mar 2 p 24
 Judson, Allan S., Apr 13 p 20
 Juettner, Clarence H., June 1 p 90
 Jump, C. J., Jan 12 p 248
 Jurden, William A., Mar 9 p 141

K

Kalichthalter, C. W., Jan 19 p 49
 Kansorka, Frederick O., Jan 12 p 257
 Kartheiser, F. L., Jan 26 p 61*
 Kather, Morgan, June 22 p 31
 Kauffman, Joseph C., May 18 p 192*
 Kearney, Thomas F., June 22 p 38‡
 Keene, William V., Feb 9 p 94*
 Keeney, J. H., Mar 9 p 17
 Keenan, William C., Jan 19 p 49*
 Kees, Thomas G., Feb 16 p 50*
 Keever, A. A., Mar 9 p 140
 Kelley, Stephen T., Mar 30 p 29
 Kell, J. A., Jun 15 p 164
 Kelleher, William M., Mar 30 p 28‡
 Keller, E. L., Jan 12 p 252
 Keller, Earl L., June 1 p 88, p 90
 Kelley, William D., Apr 20 p 110; June 8 p 106‡
 Kelly, W. T., Jr., June 15 p 139
 Kendall, E. M., Mar 9 p 141
 Kendall, J. W., Jan 19 p 58
 Kendall, Leon B., Jan 5 p 14; Jan 10 p 16‡
 Kenefick, John C., Feb 9 p 93
 Kennedy, L. P., Feb 23 p 8, p 58; Apr 6 p 104*
 Kerl, Sidney, Jan 26 p 15
 Kerr, Gilbert H., Apr 27 p 28; June 29 p 62
 Kerr, E. C., Mar 9 p 138*
 Key, H. J., May 11 p 27
 Keyfauver, B. F., May 11 p 22
 Keys, L. C., Jan 26 p 63
 Kidd, C. Newton, Jan 26 p 51; Feb 23 p 58

L

LaBelle, M. L., Jan 12 p 252; Feb 23 p 63*
 Lacey, Glenn C., June 8 p 24, p 25
 Lacy, Denver L., Apr 20 p 108
 Lagerstrom, A. O., Apr 20 p 126
 Lamb, Patrick, Feb 9 p 90
 Lambeck, H. F., Apr 13 p 24
 Lamberton, Richard H., June 8 p 12
 Lamprecht, Aloysius J., Jan 12 p 252‡
 Landberg, Robert, Jan 26 p 57
 Landers, T. L., Jan 19 p 57
 Landreth, J. N., Feb 16 p 57, p 59*
 Lane, C. W., Feb 2 p 54
 Lane, Robert G., Feb 2 p 52
 Lang, Robert W., Mar 16 p 28
 Langdon, Jervis, Jr., May 4 p 15*
 Langerude, Harold C., May 25 p 30; June 8 p 25
 Langford, O. Pierce, Jr., May 25 p 30
 Lank, W. J., Mar 16 p 30
 Laraway, W. C., Jan 5 p 56
 Large, Henry W., Apr 6 p 104; Apr 20 p 104*
 Larkin, Kenneth B., June 8 p 19*
 Larkin, Mathew L., Jan 5 p 56
 LaRoe, Wilbur, Jr., June 1 p 12
 Larrabee, Guy D., June 15 p 146*
 Larsen, A. Ernest, June 1 p 90‡
 Larsen, Ernest W., May 11 p 30
 Larson, Eugene, May 18 p 176
 Larson, Harry W., Jan 12 p 254
 Larson, J. J., Feb 16 p 62; May 25 p 30
 Larson, L. B., Feb 16 p 60
 Lasoske, A. W., Jan 12 p 252; Feb 16 p 58*
 Lathey, C. C., Jan 5 p 56
 Laudig, J. J., Mar 23 p 65
 Laughlin, John E., Mar 16 p 29‡
 Laughlin, L. W., May 25 p 30
 Lavidge, A. W., Jan 26 p 62*
 Law, James J., Jr., Mar 9 p 16
 Law, William H., Mar 9 p 139
 Lawless, James G., Feb 9 p 96
 Lawrence, I. O., May 25 p 30; June 29 p 61‡
 Lawson, A. H., May 11 p 30
 Lawson, Irving C., Mar 2 p 24
 Lawson, W. H., Apr 20 p 110
 Leach, A. F., Jan 5 p 16
 Lean, James T., May 11 p 27‡
 Leard, Douglas, Jan 12 p 248‡

January 1—June 30, 1953

RAILWAY AGE—Index

Leavy, E. E., May 11 p 22
 Ledbetter, Allison W., Apr 13 p 23; Apr 20 p 104*

LeDonne, John, Jan 5 p 56
 Lee, A. E., Jan 12 p 255
 Leech, George, Jan 5 p 56
 Legg, L. E., Mar 23 p 75
 Legrand, Russell E., Feb 2 p 53*
 Leffouer, J. J., Jan 19 p 54
 Leilich, George M., Feb 9 p 93; Apr 27 p 20*; June 15 p 130
 Lemon, Robert W., June 1 p 93
 Lentz, R. A., Apr 6 p 108
 Leonard, A. S., June 22 p 34
 Leonard, John W., May 25 p 27
 Leonard, William N., Apr 20 p 18; Apr 27 p 14*

Lester, C. W., Jan 5 p 56
 Lester, J. E., Feb 9 p 94; Mar 23 p 134*
 Levy, Berne, Jan 12 p 256
 Levy, W. G., Jan 19 p 53; Mar 16 p 27†
 Lewis, B. N., June 29 p 62
 Lewis, F. B., Jan 5 p 16
 Libby, Emanuel T., Feb 16 p 62
 Lileske, J. Jr., June 15 p 139
 Lijewski, Stanley W., Jan 12 p 252
 Lilleqvist, G. A., Apr 6 p 93
 Lindberg, Lawrence W., May 18 p 193
 Lindsay, Albert H., Jan 12 p 15*
 Lindsay, Gordon W., May 11 p 27
 Lindsay, Robert, Apr 27 p 23
 Lingefeld, Fred, Apr 13 p 25
 Lingle, Eustace, June 29 p 50
 Linihan, R. L., Jan 19 p 53
 Link, Gordon P., Mar 30 p 23
 Lippert, H. E., Mar 30 p 23
 Lisher, C. B., May 25 p 27
 Lister, C. E., June 22 p 38*
 Littleton, E. C., Apr 20 p 108
 Lipe, F. F., Mar 16 p 29
 Lloyd, Walter L., May 25 p 30
 Lobdell, Stephen C., Mar 23 p 123
 Locke, E. H., Mar 16 p 28*
 Locke, F. R., June 22 p 38
 Lockridge, William R., Mar 16 p 21
 Loftis, John D., Apr 20 p 125
 Loggins, L. A., Apr 6 p 82
 Loken, L. A., Apr 20 p 110
 Lomas, Alfred J., Mar 16 p 27*
 Longsdorf, C. D., June 8 p 24
 Loucks, J. L., Feb 2 p 52*
 Love, J. C., Jan 19 p 53
 Love, R. H., Feb 9 p 94
 Loveland, H. J., Mar 2 p 25
 Lovett, Robert A., Mar 2 p 22; June 8 p 24
 Lovitt, R. K., May 18 p 200†
 Lozano, Alfonso H., Jan 12 p 237*
 Lucas, C. R., June 8 p 21
 Lucas, F. D., Jan 19 p 53
 Lucas, Sam, Jan 5 p 56
 Luckett, Frank A., Mar 9 p 138
 Luddy, J. J., May 4 p 92
 Lull, LeGrand, Jan 26 p 57
 Lundhagen, Carl M., Mar 9 p 139
 Lundin, E. H., Mar 9 p 141
 Lunt, Fred B., Jan 12 p 256
 Luthi, N. E., Jan 19 p 56
 Lynch, J. Paul, June 8 p 25
 Lyne, James G., Mar 30 p 21
 Lynn, D. M., May 11 p 16
 Lynn, R. L., Feb 23 p 72
 Lyon, Godfrey, J., Jan 12 p 264

M

MacArthur, R., Jan 5 p 55
 MacDonald, Angus A., Mar 16 p 21
 MacDonald, Thomas H., Apr 6 p 93
 Macdougall, J. W. Graham, Mar 16 p 27
 MacKewn, Frank A., Jan 12 p 252†
 Macfarlane, Robert S., June 22 p 10
 MacGreely, W. J., Jan 12 p 232; Feb 16 p 55*
 Machold, Earle J., Jan 26 p 58
 MacIver, Don, June 29 p 62
 Mackie, David S., Apr 6 p 96
 Maginnis, William P., Feb 23 p 62
 Mahaney, J. T., May 4 p 18
 Maher, James P., May 18 p 179
 Maines, Thomas J., Feb 9 p 89
 Malone, James C., June 20 p 61
 Manning, C. H., Feb 2 p 53
 Manning, Frank B., Feb 9 p 98; Mar 9 p 130†
 Marak, C. T., Apr 20 p 126
 Marks, Bernard A., June 8 p 25
 Marks, Joseph, Apr 27 p 28; June 1 p 92*
 Marra, J. R., Jan 12 p 248
 Marsh, C. R., Jan 12 p 264
 Marsh, J. M., Jr., June 1 p 92
 Martel, Frederick A., Mar 16 p 29
 Martin, Harry R., May 11 p 34
 Martin, I. W., May 11 p 34
 Martin, Paul G., Feb 9 p 102; Mar 9 p 141
 Martin, Richard C., June 29 p 59
 Martin, W. R., Mar 30 p 29
 Martin, William K., May 11 p 30
 Mason, Aubrey T., Mar 9 p 130
 Mason, Claude D., May 25 p 30
 Mason, G. Burnett, Apr 13 p 20
 Massey, S. J., Jr., Apr 6 p 104
 Matt, G. J., Feb 2 p 42

Matthews, C. C., Jr., Jan 19 p 53
 Mauney, Harold C., Apr 6 p 104*, p 106
 Maurice, Clayton H., Mar 9 p 138‡
 Mauricourt, Flory, Feb 9 p 93
 Maxwell, G. W., Jan 5 p 54
 Maxwell, M. W., June 15 p 133
 May, J. Grady, May 11 p 30
 Mayfield, W. A., June 29 p 59
 Mayo, E. E., Jan 5 p 51
 McAbee, H. O., Jr., June 15 p 150
 McAlevey, Thomas K., Feb 9 p 94*
 McAllister, Angus, May 25 p 27; June 29 p 64*
 McBride, H. T., Jan 12 p 255
 McCarthy, J. P., May 11 p 22
 McCartney, F. R., May 18 p 194
 McCarty, F. P., May 18 p 201, p 203‡
 McCarty, J. V., Jan 12 p 255
 McClellan, E. W., May 4 p 17*
 McClure, E. Elwood, Feb 23 p 58
 McCluskey, Roy E., Apr 6 p 101; June 29 p 59
 McCook, J. F., Apr 20 p 126
 McCormick, A. B., Mar 9 p 138; June 29 p 66
 McCoskey, Keller, Feb 9 p 94
 McCrory, E. S., June 22 p 38*
 McCullough, John E., Feb 16 p 57; Mar 23 p 133*
 McDonald, A. J., Apr 6 p 96
 McDonald, C. P., Mar 23 p 123*
 McDonald, C. R., Apr 27 p 28; June 8 p 25*
 McElroy, Clarence W., Mar 30 p 29
 McFarland, H. C., May 11 p 34
 McFetridge, J. D., May 25 p 30
 McGavock, G. P., June 15 p 164‡
 McGee, P. A., May 18 p 183
 Littleton, E. C., Apr 20 p 108
 Lipe, F. F., Mar 16 p 29
 Lloyd, Walter L., May 25 p 30
 Lobdell, Stephen C., Mar 23 p 123
 Locke, E. H., Mar 16 p 28*
 Lock, F. R., June 22 p 38
 Lockridge, William R., Mar 16 p 21
 Loftis, John D., Apr 20 p 125
 Loggins, L. A., Apr 6 p 82
 Loken, L. A., Apr 20 p 110
 Lomas, Alfred J., Mar 16 p 27*
 Longsdorf, C. D., June 8 p 24
 Loucks, J. L., Feb 2 p 52*
 Love, J. C., Jan 19 p 53
 Love, R. H., Feb 9 p 94
 Loveland, H. J., Mar 2 p 25
 Lovett, Robert A., Mar 2 p 22; June 8 p 24
 Lovitt, R. K., May 18 p 200†
 Lozano, Alfonso H., Jan 12 p 237*
 Lucas, C. R., June 8 p 21
 Lucas, F. D., Jan 19 p 53
 Lucas, Sam, Jan 5 p 56
 Luckett, Frank A., Mar 9 p 138
 Luddy, J. J., May 4 p 92
 Lull, LeGrand, Jan 26 p 57
 Lundhagen, Carl M., Mar 9 p 139
 Lundin, E. H., Mar 9 p 141
 Lunt, Fred B., Jan 12 p 256
 Luthi, N. E., Jan 19 p 56
 Lynch, J. Paul, June 8 p 25
 Lyne, James G., Mar 30 p 21
 Lynn, D. M., May 11 p 16
 Lynn, R. L., Feb 23 p 72
 Lyon, Godfrey, J., Jan 12 p 264

Miller, G. A., June 15 p 163
 Miller, G. W., Mar 23 p 94*, p 96
 Miller, George C., June 15 p 139
 Miller, Harold T., June 8 p 25
 Miller, I. C., May 4 p 88
 Miller, J. E., May 25 p 27
 Miller, J. T., June 29 p 59
 Miller, Karl F., June 15 p 163
 Miller, Stanley Y., Mar 16 p 30
 Miller, W. D., June 29 p 61

Miller, Walter, May 18 p 100
 Miller, Wilbur W., Apr 6 p 106
 Milligan, Thomas W., Feb 2 p 52*
 Milliken, J. W., May 4 p 78
 Mills, J. A., Mar 16 p 20
 Mindemann, Karl T., June 29 p 59
 Mishefske, Theodore, May 18 p 204
 Mitchell, Frank K., Apr 20 p 106*
 Mitchell, John B., Feb 9 p 100
 Mitchell, L. E., Jan 19 p 57
 Mitchell, L. R., Jan 5 p 54; June 29 p 62
 Mitchell, Vernon S., June 1 p 93
 Mitchell, W. L., Mar 9 p 138
 Mitchener, A. E., May 25 p 27
 Mitten, Robert, Apr 20 p 108
 Moad, E., June 1 p 90
 Mock, Palmer S., Jan 19 p 53, p 93
 McClellan, E. W., May 4 p 17*
 McClure, E. Elwood, Feb 23 p 58
 McCluskey, Roy E., Apr 6 p 101; June 29 p 59
 McCook, J. F., Apr 20 p 126
 McCormick, A. B., Mar 9 p 138; June 29 p 66
 McCoskey, Keller, Feb 9 p 94
 McCrory, E. S., June 22 p 38*
 McCullough, John E., Feb 16 p 57; Mar 23 p 133*
 McDonald, A. J., Apr 6 p 96
 McDonald, C. P., Mar 23 p 123*
 McDonald, C. R., Apr 27 p 28; June 8 p 25*
 McElroy, Clarence W., Mar 30 p 29
 McFarland, H. C., May 11 p 34
 McFetridge, J. D., May 25 p 30
 McGavock, G. P., June 15 p 164‡
 McGee, P. A., May 18 p 183
 McGinn, F. G., Feb 9 p 94‡
 McGlinns, Patrick B., Jan 26 p 51*; Feb 23 p 58; Mar 23 p 129‡; Apr 13 p 23
 McGovern, E. H., Mar 9 p 140
 McGraw, Robert H., Mar 30 p 28; Apr 20 p 110, p 116*
 McGruer, A. E., Apr 20 p 125
 McGuire, A. J., Mar 9 p 118
 McGuire, J. J., Apr 20 p 110
 McHale, P. J., Feb 16 p 54
 McHale, P. J., Jan 19 p 53
 McIlveen, H. L., May 25 p 30
 McIlvay, James O., Mar 2 p 25*
 McIntrye, A. C., Mar 23 p 114
 McKenney, F. H., Jan 19 p 56‡
 McKenney, Alexander, Mar 2 p 22
 McKerley, J. B., Mar 9 p 141
 McKinney, Conrad F., Jan 5 p 56
 McLachlan, Gordon A., June 26 p 62
 McLain, J. Aubrey, May 11 p 30
 McLaughlin, R. E., Mar 16 p 30
 McLendon, J. R., May 11 p 30
 McElroy, D. T., June 22 p 35
 McMahon, J. H., Apr 13 p 22
 McMahon, M. W., Feb 16 p 54
 McMullen, L. B., June 15 p 150
 McMullen, George R., Jan 19 p 40
 McNab, Clifford H., Feb 16 p 62
 McNally, H. J., Jan 26 p 15
 McNamara, E. D., Jan 19 p 53
 McNelly, R. W., Apr 13 p 20
 McPhail, C. J., June 1 p 90
 McPherson, W. H., Feb 9 p 96
 McRoberts, George A., Mar 9 p 141
 McRoberts, J. A., Feb 16 p 62
 McVay, Clark M., Feb 9 p 102‡
 McWhite, J. E., Feb 9 p 93
 McWhorter, Patrick H., Apr 27 p 28
 McWhorter, William J., Apr 6 p 106*
 Meder, L. G., Jan 19 p 54‡
 Melker, Charles E., Jan 5 p 55; Feb 23 p 72*
 Melvin, R. E., Jan 19 p 54
 Menefee, W. W., Jr., June 22 p 14*
 Menzies, N. W., Jan 19 p 58
 Merkle, Edward A., Mar 23 p 127
 Merriman, William R., May 11 p 15*
 Metzger, M. P., June 15 p 163
 Metzman, Gustav, Jan 5 p 8*, p 14‡
 Meyer, C. J., Jan 22 p 232
 Meyer, Charles J., Apr 27 p 29
 Meyer, E. C., May 18 p 193‡
 Meyers, Alvin J., Jan 19 p 53
 Meyers, B. R., Mar 23 p 95
 Meyers, William H., Jan 5 p 53; Jan 12 p 232; Jan 26 p 62*
 Michael, Henry E., June 1 p 86*
 Michael, James L., Apr 27 p 28
 Michaels, Hunter, Jan 19 p 49*
 Middlekauff, K. N., Jan 19 p 56
 Middleton, J. V., Feb 9 p 100
 Miesse, W. H., Mar 9 p 140
 Milbourne, Roy L., June 15 p 150
 Miles, Robert E., June 8 p 25
 Miller, Arnold, Jan 12 p 258
 Miller, C. E., May 11 p 34
 Miller, E. P., Mar 16 p 28; Apr 20 p 117*
 Miller, G. A., June 15 p 163
 Miller, G. W., Mar 23 p 94*, p 96
 Miller, George C., June 15 p 139
 Miller, Harold T., June 8 p 25
 Miller, I. C., May 4 p 88
 Miller, J. E., May 25 p 27
 Miller, J. T., June 29 p 59
 Miller, Karl F., June 15 p 163
 Miller, Stanley Y., Mar 16 p 30
 Miller, W. D., June 29 p 61

Miller, Walter, May 18 p 100
 Miller, Wilbur W., Apr 6 p 106
 Milligan, Thomas W., Feb 2 p 52*
 Milliken, J. W., May 4 p 78
 Mills, J. A., Mar 16 p 20
 Mindemann, Karl T., June 29 p 59
 Mishefske, Theodore, May 18 p 204
 Mitchell, Frank K., Apr 20 p 106*
 Mitchell, John B., Feb 9 p 100
 Mitchell, L. E., Jan 19 p 57
 Mitchell, L. R., Jan 5 p 54; June 29 p 62
 Mitchell, Vernon S., June 1 p 93
 Mitchell, W. L., Mar 9 p 138
 Mitchener, A. E., May 25 p 27
 Mitten, Robert, Apr 20 p 108
 Moad, E., June 1 p 90
 Mock, Palmer S., Jan 19 p 53, p 93
 McClellan, E. W., May 4 p 17*
 McClure, E. Elwood, Feb 23 p 58
 McCluskey, Roy E., Apr 6 p 101; June 29 p 59
 McCook, J. F., Apr 20 p 126
 McCormick, A. B., Mar 9 p 138; June 29 p 66
 McCoskey, Keller, Feb 9 p 94
 McCrory, E. S., June 22 p 38*
 McCullough, John E., Feb 16 p 57; Mar 23 p 133*
 McDonald, A. J., Apr 6 p 96
 McDonald, C. P., Mar 23 p 123*
 McDonald, C. R., Apr 27 p 28; June 8 p 25*
 McElroy, Clarence W., Mar 30 p 29
 McFarland, H. C., May 11 p 34
 McFetridge, J. D., May 25 p 30
 McGavock, G. P., June 15 p 164‡
 McGee, P. A., May 18 p 183
 McGinn, F. G., Feb 9 p 94‡
 McGlinns, Patrick B., Jan 26 p 51*; Feb 23 p 58; Mar 23 p 129‡; Apr 13 p 23
 McGovern, E. H., Mar 9 p 140
 McGraw, Robert H., Mar 30 p 28; Apr 20 p 110, p 116*
 McGruer, A. E., Apr 20 p 125
 McGuire, A. J., Mar 9 p 118
 McGuire, J. J., Apr 20 p 110
 McHale, P. J., Feb 16 p 54
 McHale, P. J., Jan 19 p 53
 McIlveen, H. L., May 25 p 30
 McIlvay, James O., Mar 2 p 25*
 McIntrye, A. C., Mar 23 p 114
 McKenney, F. H., Jan 19 p 56‡
 McKenney, Alexander, Mar 2 p 22
 McKerley, J. B., Mar 9 p 141
 McKinney, Conrad F., Jan 5 p 56
 McLachlan, Gordon A., June 26 p 62
 McLain, J. Aubrey, May 11 p 30
 McLaughlin, R. E., Mar 16 p 30
 McLendon, J. R., May 11 p 30
 McElroy, D. T., June 22 p 35
 McMahon, J. H., Apr 13 p 22
 McMahon, M. W., Feb 16 p 54
 McMullen, L. B., June 15 p 150
 McMullen, George R., Jan 19 p 40
 McNab, Clifford H., Feb 16 p 62
 McNally, H. J., Jan 26 p 15
 McNamara, E. D., Jan 19 p 53
 McNelly, R. W., Apr 13 p 20
 McPhail, C. J., June 1 p 90
 McPherson, W. H., Feb 9 p 96
 McRoberts, George A., Mar 9 p 141
 McRoberts, J. A., Feb 16 p 62
 McVay, Clark M., Feb 9 p 102‡
 McWhite, J. E., Feb 9 p 93
 McWhorter, Patrick H., Apr 27 p 28
 McWhorter, William J., Apr 6 p 106*
 Meder, L. G., Jan 19 p 54‡
 Melker, Charles E., Jan 5 p 55; Feb 23 p 72*
 Melvin, R. E., Jan 19 p 54
 Menefee, W. W., Jr., June 22 p 14*
 Menzies, N. W., Jan 19 p 58
 Merkle, Edward A., Mar 23 p 127
 Merriman, William R., May 11 p 15*
 Metzger, M. P., June 15 p 163
 Metzman, Gustav, Jan 5 p 8*, p 14‡
 Meyer, C. J., Jan 22 p 232
 Meyer, Charles J., Apr 27 p 29
 Meyer, E. C., May 18 p 193‡
 Meyers, Alvin J., Jan 19 p 53
 Meyers, B. R., Mar 23 p 95
 Meyers, William H., Jan 5 p 53; Jan 12 p 232; Jan 26 p 62*
 Michael, Henry E., June 1 p 86*
 Michael, James L., Apr 27 p 28
 Michaels, Hunter, Jan 19 p 49*
 Middlekauff, K. N., Jan 19 p 56
 Middleton, J. V., Feb 9 p 100
 Miesse, W. H., Mar 9 p 140
 Milbourne, Roy L., June 15 p 150
 Miles, Robert E., June 8 p 25
 Miller, Arnold, Jan 12 p 258
 Miller, C. E., May 11 p 34
 Miller, E. P., Mar 16 p 28; Apr 20 p 117*
 Miller, G. A., June 15 p 163
 Miller, G. W., Mar 23 p 94*, p 96
 Miller, George C., June 15 p 139
 Miller, Harold T., June 8 p 25
 Miller, I. C., May 4 p 88
 Miller, J. E., May 25 p 27
 Miller, J. T., June 29 p 59
 Miller, Karl F., June 15 p 163
 Miller, Stanley Y., Mar 16 p 30
 Miller, W. D., June 29 p 61

Nagie, P. G., Feb 9 p 94‡
 Nagy, Stephen, June 15 p 152
 Nail, Robert L., May 25 p 30
 Nash, Evans A., May 11 p 9*
 Nash, J. E., Jan 19 p 54*
 Neal, B. M., Jan 19 p 53
 Nelker, Marshall H., June 1 p 90
 Middleton, J. V., Feb 9 p 100
 Nelson, Alfred C., Mar 30 p 29
 Nelson, C. W., Jan 12 p 258‡
 Nelson, Vernon L., Apr 20 p 106; May 4 p 89*; May 18 p 192
 Nentel, J. J., May 11 p 26
 Nevin, Harry J., Feb 9 p 96
 Newby, C. L., Jan 19 p 49
 Newell, James P., Jan 26 p 46*; Apr 13 p 22
 Newinger, K. H., May 18 p 203
 Newman, Samuel L., Feb 9 p 17
 Newman, W. A., May 18 p 203
 Newman, Wesley C., Jan 26 p 57
 Nichols, T. L., Mar 23 p 134; Apr 20 p 110*
 Nicholson, John M., Jan 10 p 57; Feb 23 p 72*
 Nicolín, G. L., May 11 p 30

Niedick, J. A., Apr 6 p 61
 Nixon, M. H., May 18 p 201
 Noble, S. E., Mar 23 p 75; June 1 p 93‡
 Nolan, James E., Apr 13 p 21
 Noite, Carl E., Jan 26 p 57
 Noite, George A., Jan 12 p 252
 Noonan, Thomas F., Jan 12 p 15
 Nordgren, Paul E., Mar 16 p 29
 Nordstrom, Harry C., June 22 p 38
 Noren, George A., Jan 12 p 265*
 Norman, Carl D., Mar 9 p 138
 Norman, Frank, May 18 p 179*
 Norman, Louis T., May 18 p 179
 Norris, Ernest E., May 25 p 20
 Norris, I. I., Apr 20 p 108
 Norton, Daniel L., May 18 p 200‡
 Norton, Henry K., June 1 p 88*, p 89
 Norton, Thomas L., Feb 2 p 54*
 Norwood, J. B., Feb 9 p 94
 Norwood, J. E., Jan 19 p 54
 Nugent, Howard, Apr 6 p 61
 Nye, Ernest L., Apr 27 p 26
 Nyce, Frederick N., June 1 p 90*
 Nygren, J. F., June 15 p 151

O

Oakley George W., Jan 5 p 53*; Jan 12 p 252
 Oberg, M. A., Feb 9 p 96
 O'Brien, E. J., June 22 p 38
 O'Brien, L. L., Apr 20 p 125
 O'Brien, Wallace D., Jan 5 p 53*
 O'Connell, J. E., Jan 5 p 54
 O'Connor, Donald P., Mar 9 p 139
 Odell, R. H., Mar 30 p 23
 Odom, Phillip E., May 25 p 27
 Ogden, W. H., May 18 p 193*
 Ogilvy, Ralph W., Mar 16 p 28
 O'Hara, Clifford B., Apr 27 p 142
 Oldroyd, Frank L., June 29 p 59
 Oliver, Elmer R., Jan 19 p 52*
 Oliver, P. R., May 25 p 30
 Olp, I. A., Jan 5 p 54
 Olsen, Ivan S., Feb 16 p 61*; Apr 6 p 103
 Olson, Carlton F., Feb 9 p 100
 Olson, L. M., Feb 9 p 94; Feb 16 p 50*
 Olson, Merrill E., May 18 p 176
 Olson, R. M., Jan 12 p 252; Feb 23 p 63‡
 Ondrey, Cyril M., May 18 p 179
 O'Neill, Francis A., Jr., Feb 9 p 18
 O'Neill, J. C., June 22 p 38
 Oram, James W., Apr 6 p 104; Apr 20 p 164*
 Ordell, E. L., Mar 16 p 28
 Ormond, L. F., June 15 p 122*
 O'Rourke, G. M., Mar 23 p 95*
 Orr, F. P., Feb 16 p 59
 Orr, H. E., Mar 16 p 21
 Mountcastle, Earl E., June 1 p 92
 Moyer, Virgil K., Apr 13 p 25
 Mulhall, James H., June 29 p 61‡
 Muldoon, Ceil G., Jr., June 29 p 62
 Mullen, Joseph J., Jan 5 p 55; Feb 9 p 96
 Moss, Richard W., May 18 p 197*; June 15 p 151*
 Munro, R. C., June 22 p 34
 Munson, H. C., Apr 13 p 25
 Munson, L. F., June 29 p 62
 Murdoch, David K., May 11 p 30; May 18 p 201
 Murtagh, Frederick R., Apr 13 p 22
 Murphy, Frank A., June 8 p 25
 Murphy, Frederick E., Mar 23 p 134‡
 Murphy, Thomas J., May 25 p 30
 Murray, John Y., Jan 19 p 53
 Murray, Robert B., Jr., Feb 9 p 8*, p 162
 Murray, T. V., Jan 12 p 255
 Murray, Wayne, Apr 27 p 28
 Murray, William J., Jan 12 p 257
 Murrow, Lacey V., June 29 p 17
 Musafin, E. S., June 15 p 163
 Myers, Clarence J., June 1 p 88
 Nagie, P. G., Feb 9 p 94‡
 Nagy, Stephen, June 15 p 152
 Nail, Robert L., May 25 p 30
 Nash, Evans A., May 11 p 9*
 Nash, J. E., Jan 19 p 54*
 Neal, B. M., Jan 19 p 53
 Nelker, Marshall H., June 1 p 90
 Nelson, Alfred C., Mar 30 p 29
 Nelson, C. W., Jan 12 p 258‡
 Nelson, Vernon L., Apr 20 p 106; May 4 p 89*; May 18 p 192
 Nentel, J. J., May 11 p 26
 Nevin, Harry J., Feb 9 p 96
 Newby, C. L., Jan 19 p 49
 Newell, James P., Jan 26 p 46*; Apr 13 p 22
 Newinger, K. H., May 18 p 203
 Newman, Samuel L., Feb 9 p 17
 Newman, W. A., May 18 p 203
 Newman, Wesley C., Jan 26 p 57
 Nichols, T. L., Mar 23 p 134; Apr 20 p 110*
 Nicholson, John M., Jan 10 p 57; Feb 23 p 72*
 Nicolín, G. L., May 11 p 30

P

Packard, Claire N., May 25 p 30‡
 Packard, D. L., Jan 26 p 57; Mar 9 p 17*; May 25 p 21
 Page, George P., Apr 6 p 108; May 4 p 16*
 Palacios, Manuel R., Jan 12 p 239; Apr 6 p 106
 Palacios, Rodolfo R., Apr 6 p 106
 Palmer, Sydney W., Feb 16 p 62
 Panje, W. C., Apr 6 p 108
 Papa, J. A., Jan 12 p 254; Jan 19 p 53;
 Feb 23 p 63, p 66*
 Paradis, J. E., June 8 p 24
 Patel, J. D., June 29 p 54*
 Parker, H. P., Jan 12 p 255
 Parker, John L., June 8 p 24
 Parker, William A., Jan 26 p 58
 Parkerson, Herman L., Apr 27 p 28
 Parkinson, J. A., Feb 2 p 38
 Parkinson, J. F., Feb 16 p 59
 Parnell, A. E., Apr 6 p 108
 Parsons, Robert J., May 11 p 34
 Patchell, Walter W., Mar 2 p 24; Mar 30 p 28; May 25 p 30
 Paté, B. C., May 18 p 197; June 8 p 25
 Patriquin, Richard T., Jan 5 p 16
 Patterson, Richard G., Feb 16 p 62‡
 Patton, C. S., Jr., Feb 16 p 62‡
 Patton, D. W., Mar 16 p 28
 Paul, Walker, Feb 9 p 100
 Payne, Raymond A., June 8 p 25
 Payne, Robert T., June 29 p 61
 Peaker, Harry J., May 18 p 179*
 Peavy, T. K., May 4 p 93

ELECTIONS AND APPOINTMENTS—Continued

[*Indicates photograph and sketch; †Indicates sketch only]

Perley, James D., Jan 12 p 15
 Perrin, Charles D., Feb 9 p 14*
 Perron, Wesley E., May 18 p 20†
 Perry, C. A., Mar 9 p 138
 Perry, J. M., Apr 6 p 106
 Perry, Leo J., Mar 23 p 136
 Person, Clyde, June 15 p 140
 Peter, W. L., Jan 26 p 57
 Petersen, James, Mar 9 p 16
 Peters, J. K., Feb 23 p 72
 Petersen, Earl S., Mar 23 p 136
 Peterson, E. W., Jan 12 p 264†
 Peterson, H. A., Apr 13 p 25
 Peterson, H. R., Mar 16 p 30
 Pfister, C. A., May 11 p 30†
 Philbrick, E. F., Apr 20 p 110
 Phillips, C. R., June 9 p 138
 Phillips, G. S., May 18 p 203
 Phillips, H. J., Mar 16 p 29
 Phillips, John G., June 1 p 88
 Phillips, Robert T., Mar 23 p 140
 Phillips, Robert W., Mar 9 p 139
 Pick, Lewis A., May 23 p 21*
 Pierce, A. B., Jan 12 p 266†
 Pierce, Robert L., May 18 p 197
 Pierre, Ernest C., Apr 26 p 100†
 Piers, A. S., June 8 p 24†
 Pike, C. R., May 25 p 30
 Pilcher, Lewis, June 15 p 146*
 Pina, Victor G., Apr 6 p 106
 Pinard, Theodore W., Jan 12 p 266; Jan 19 p 57
 Pinkerton, R. T., Apr 20 p 108
 Pinkney, James, June 1 p 12
 Pipas, George, Feb 9 p 102
 Pitcher, Stanley F., Jan 12 p 252, p 254; Feb 16 p 55*
 Plamondon, Clifton A., Apr 27 p 29
 Plant, J. W., Apr 6 p 106
 Platt, T. J., Jan 5 p 56
 Plemons, R. W., June 1 p 93†
 Ploss, C. J., Apr 20 p 108; June 1 p 92*
 Ploudre, G. W., Jan 12 p 255
 Plummer, R. E., June 1 p 89
 Plummer, W. S., June 15 p 152; June 22 p 35
 Pollard, James A., Feb 23 p 69
 Pollock, Clifton, Apr 13 p 24
 Pommier, R. G., Mar 2 p 21*
 Pond, C. E., Feb 16 p 62†; Apr 6 p 108; Apr 20 p 120*
 Poor, Fred A., Jan 26 p 8
 Porter, Kenneth W., May 18 p 192‡
 Porter, Warren E., May 18 p 179*
 Potter, K. M., Mar 23 p 134
 Potsmith, H. C., Apr 20 p 120; Apr 27 p 29
 Poultner, Henry E., Feb 16 p 57*
 Powell, Leigh R., Jr., Apr 13 p 23*
 Power, Melvin T., Jan 26 p 56
 Prange, Gerald F., Feb 9 p 89
 Pratt, Alfred E., Jan 12 p 15
 Prentice, Allan L., May 25 p 26*
 Prentice, Howard L., May 18 p 179
 Prescott, Daniel C., May 11 p 22*
 Price, C. G., Jr., June 22 p 14*
 Prince, W. Dwight D., June 8 p 25†
 Pritchard, Richard E., Apr 13 p 22
 Progner, Ralph L., May 11 p 27†
 Prueter, W. J., Feb 9 p 104
 Puddister, Robert P., Jan 19 p 57; Feb 23 p 72*
 Pullar, J., Jan 10 p 58
 Purcell, Robert W., Apr 20 p 106*
 Purdy, Richard W., May 18 p 179
 Pursley, A. L., Mar 2 p 25
 Pyat, J. A., Mar 2 p 21*

Q

Quackenbush, Charles E., Feb 16 p 60†
 Quall, Wallace B., Jan 5 p 16
 Quayle, E. N., Mar 16 p 29
 Quigley, C. E., Jan 19 p 58
 Quinn, J. A., June 8 p 21*
 Quinn, William J., June 1 p 90

R

Rachels, W. E., Apr 13 p 24*
 Ramsey, James W., June 8 p 12
 Ramsey, M. H., Apr 6 p 103
 Ramspeck, Theodore R., May 11 p 27
 Randall, Clarence B., May 18 p 183
 Randall, George C., Mar 16 p 28; Apr 20 p 110*
 Randall, H. G., Mar 16 p 28
 Raney, D. M., June 1 p 90
 Rassenfoss, John A., Apr 6 p 93
 Rath, Charles P., Mar 16 p 27
 Rawson, V. S., June 1 p 93
 Ray, Maurice N., Mar 16 p 27
 Rea, A. C., May 11 p 27†

Redhead, Paul, Jan 19 p 50
 Reece, A. N., June 22 p 35
 Reed, E. H., Mar 16 p 22†
 Reed, G. Y., Jan 12 p 254; Feb 23 p 63, p 66*
 Reed, Harry, Feb 16 p 54
 Reed, Harry B., June 29 p 62*
 Reed, J. W., Feb 16 p 62
 Reed, R. P., May 18 p 2011
 Reens, Frank N., Jan 26 p 56
 Reese, Walter, Jan 12 p 252; Feb 16 p 55*
 Reeves, Robert L., June 1 p 86*
 Reeves, Walter P., May 11 p 23*
 Reichert, L. G., June 15 p 151
 Reid, John B., June 1 p 89
 Reid, William, Apr 27 p 28
 Reidy, Edward T., Jan 19 p 52*
 Reine, John, May 25 p 22
 Reisse, F. C., Jan 12 p 254
 Reister, William C., June 1 p 93
 Renfrew, R. I., June 15 p 151*
 Rentschler, Sherman O., Mar 30 p 29*
 Rethmeyer, Harold G., Apr 13 p 20
 Retke, Fred L., May 11 p 30
 Reule, H. P., June 29 p 61
 Reum, M. W., June 15 p 152
 Reuss, Russell S., May 25 p 27
 Reynolds, H. W., June 15 p 164†
 Reynolds, Lewis E., Apr 20 p 108
 Reynolds, M. J., Apr 13 p 25
 Rhode, O. T., May 18 p 263; June 15 p 151‡
 Rice, B. F., Jan 19 p 53
 Rice, George B., Mar 23 p 114
 Rice, W. W., Feb 16 p 50
 Richards, C. H., June 15 p 148
 Richardson, Marcus J., Jan 26 p 63; Mar 16 p 28*
 Richardson, Roy M. D., June 1 p 88
 Riddell, E. O., Jan 5 p 55
 Riddell, J. W., Mar 16 p 21
 Riddington, W. L. Howard, Jan 26 p 63
 Ridder, John J., Mar 2 p 19; Mar 16 p 23*
 Riedel, Howard A., May 18 p 192
 Riedl, K. W., Feb 9 p 94
 Riegel, M. S., May 11 p 34
 Rierdan, Cornelius R., Mar 23 p 135†
 Rigg, Ephraim, Mar 23 p 114
 Riggs, Gerald E., Feb 9 p 96
 Riley, C. R., Mar 9 p 139; Apr 27 p 29*
 Ringsdorf, William P., June 8 p 25
 Risk, Norman E., Jan 12 p 15*
 Roach, David F., Apr 13 p 20
 Roach, Norman, Apr 13 p 25
 Roach, Rollin W., Jan 12 p 252†
 Roberts, C. A., May 11 p 30; May 18 p 203‡
 Roberts, John G., Feb 9 p 96; Mar 23 p 140†
 Roberts, Verne, Jan 19 p 50
 Robertson, Alex W., Feb 9 p 14*
 Robertson, G. S., May 25 p 30†
 Robertson, R. O., May 11 p 16
 Robins, Francis B., May 25 p 13; June 1 p 90
 Robinson, Frank A., Feb 23 p 72
 Robinson, G. E., Mar 23 p 95
 Robinson, Millard F., Jr., June 1 p 92
 Robinson, Richard G., Feb 16 p 58‡
 Robinson, W. C., June 15 p 139
 Roche, Leo J., June 1 p 90
 Rochester, Roger L., Jan 26 p 63
 Rodgers, C. G., Feb 16 p 58
 Rodgers, Gertrude R., Jan 26 p 64
 Rodgers, Marion, Jr., May 11 p 22
 Rogers, Lloyd, Mar 30 p 29
 Rollwagon, H. A., Feb 23 p 72
 Rooker, J. U., Apr 6 p 106
 Roome, Kenneth A., Apr 27 p 28
 Roper, Malcolm W., Feb 16 p 57
 Roscoe, Edward M., Apr 27 p 28
 Rose, O. C., Apr 6 p 108
 Rose, W. H., Jan 12 p 264†
 Rosen, Doris C., Feb 23 p 63‡
 Ross, Alexander, Feb 2 p 51*
 Ross, Frank E., Jr., June 15 p 139*
 Ross, J. A., Jr., June 8 p 12
 Ross, James F., Jan 12 p 248; Feb 16 p 55*
 Ross, Vernon T., May 11 p 30
 Roth, Frank J., May 25 p 30
 Rothschild, Herbert F., Jan 26 p 57
 Rothschild, Louis S., Apr 6 p 93‡
 Rowell, E. C., June 8 p 24
 Royce, Franklin, Jan 26 p 63
 Rubery, J. J., Apr 6 p 61
 Ruddiman, Stanley P., Jan 5 p 52*
 Rupp, R. D., June 8 p 24
 Rusch, Fred W., Feb 9 p 18
 Ruskaup, F. C., May 11 p 31
 Rutherford, H. B., Jan 5 p 56
 Rutherford, John P., Apr 13 p 22
 Rutherford, W. T., May 11 p 27*
 Ryan, Arthur J., Jan 12 p 258
 Ryan, James C., June 22 p 38
 Ryerson, Edward L., May 18 p 183
 Ryle, Joseph D., Apr 27 p 14; May 18 p 18*
 Shabens, R. C., June 15 p 125*
 Sabins, Clifford E., Jan 26 p 63
 Sabins, Richard S., Feb 23 p 72
 Saffold, Walter H., June 25 p 147*
 Salatin, P. E., June 8 p 25
 Sak, L. G., May 25 p 30
 Salsman, W. C., May 25 p 27
 Salter, E. S., June 8 p 24
 Salter, William B., Mar 30 p 29; Apr 20 p 110, p 117*
 Samuel, Robert T., Jan 19 p 48*
 Sandahl, Oscar M., Jan 26 p 61*; Feb 9 p 96
 Sanders, F. H., Jan 12 p 255
 Sands, Leo G., May 25 p 22*
 Santry, Joseph V., Apr 27 p 22*
 Sass, C. H., Jr., Feb 16 p 54
 Saucier, J. E., May 11 p 16
 Savage, L. G., Apr 6 p 108
 Scanlan, John W., Feb 2 p 52*
 Scanlan, M. M., May 18 p 2011
 Schaeckel, Thomas F., Mar 2 p 24*; June 8 p 24
 Schaub, Frank V., Jan 26 p 63‡
 Scheibler, William, Mar 2 p 25
 Schick, O. E., Apr 27 p 28; June 8 p 25
 Schilke, Irwin A., Jan 19 p 53
 Schleintz, J. N., Apr 6 p 108
 Schmale, Francis L., Jan 19 p 49
 Schmalzriedt, Allan F., Jan 19 p 53
 Schmidt, Alfred, Jan 19 p 53
 Schnell, Frank M., Jan 5 p 54
 Schoen, John W., Apr 6 p 101
 Scheeplein, Nicholas A., Jan 19 p 53
 Schofield, E. W., Jan 26 p 54
 Schoonover, J. H., Feb 16 p 69
 Schotter, Howard W., Jan 19 p 53*
 Schreiber, Herbert, May 18 p 204
 Schreyer, G. C., June 15 p 163
 Schroeder, A. W., Feb 16 p 57, p 58*
 Schroeder, H. J., May 25 p 30; June 29 p 61‡
 Schultz, M. C., Jan 12 p 252
 Schultz, R. G., Apr 6 p 82
 Schumupert, P. A., Apr 6 p 108‡
 Schwab, C. T., Apr 20 p 126
 Schwartz, R. K., May 11 p 26
 Schwatka, Charles E., Jan 26 p 64
 Scofield, J. R., Mar 9 p 140
 Seaylor, M. Wayne, Apr 13 p 20
 Scott, W. B., Jan 12 p 255
 Seely, E. M., Jan 5 p 55
 Sealright, Richard D., Apr 20 p 110
 Seay, J. D., Apr 6 p 106
 Seay, T. H., Apr 6 p 106
 Sebeck, L. F., Feb 16 p 59
 Secor, H. B., June 22 p 38
 Seeman, Samuel W., May 25 p 30
 Seery, Frank E., June 8 p 12
 Seiflik, M. J., June 1 p 93; June 22 p 38
 Selb, George M., June 29 p 50
 Selby, J. F., Feb 9 p 94
 Self, Cecil M., Feb 23 p 8*; p 58‡
 Selheimer, Perry N., Feb 23 p 58
 Sellers, E. M., May 18 p 200‡
 Semerad, Charles J., Apr 27 p 20
 Sempt, F. C., May 18 p 201
 Semple, H. T., Mar 23 p 140
 Sennhauser, G. J., June 15 p 164
 Semstrom, H. B., Feb 2 p 51*
 Sensing, Wendell P., Apr 13 p 25
 Sexauer, S. C., Mar 23 p 123
 Seymour, B. M., Mar 2 p 11
 Seymour, T. A., Mar 2 p 24
 Shackelford, Paul A., Jan 19 p 48
 Shanaphy, J. M., Feb 16 p 58
 Shannon, J. C., June 15 p 152
 Sharrod, Robert A., Apr 20 p 126
 Sharp, Carl J., June 1 p 88
 Shea, James G., Jan 19 p 58*
 Shea, William A., Mar 30 p 29
 Shealy, Kenneth, Apr 6 p 104; May 4 p 99*
 Shean, H. Philip, June 29 p 59
 Shearer, William H., Jan 12 p 252; Feb 16 p 58*
 Sheffe, E. D., June 22 p 34
 Sheppard, J. G., May 25 p 27
 Sherrier, T. V., Apr 27 p 28
 Sherwood, J. K., June 15 p 152
 Shields, Harry W., Jan 19 p 54*
 Shirey, Lacy L., Feb 9 p 102; Mar 9 p 139*
 Shirreffs, Alexander, Feb 23 p 61
 Shoemaker, D. H., Mar 16 p 30
 Shoemaker, D. K., June 15 p 16
 Shonts, T. D., June 8 p 16
 Shook, W. M., May 11 p 31
 Shores, J. B., June 29 p 54*
 Showalter, E. H., Feb 9 p 93, p 94*
 Shrader, E. R., Mar 9 p 138
 Shufflebarger, Thomas E., Apr 20 p 110
 Shults, Karl C., Apr 6 p 106
 Shultz, H. A., June 29 p 61
 Stenoff, Albert J., Feb 9 p 104

S

Silkworth, George A., Jan 19 p 54
 Silcox, Dr. Lewis K., June 29 p 18
 Sillin, M. E., Jan 12 p 255
 Sillin, Carlton T., Feb 9 p 14*
 Silver, John, Jan 26 p 57*
 Slivey, Kenneth J., June 8 p 24
 Simms, H. H., Apr 13 p 23
 Simpson, Howard E., May 18 p 8
 Simpson, James A., May 25 p 27†; June 1 p 90
 Simpson, John E., Jan 26 p 63
 Sinclair, Arthur E., Feb 9 p 96
 Sinclair, H. K., Jan 26 p 63
 Sinclair, J. M., Jan 19 p 53
 Singleton, John B., Apr 6 p 106
 Slope, Samuel M., Feb 23 p 61
 Slipp, Edward A., Feb 2 p 51
 Sletterhem, Karl M., June 15 p 147‡
 Skipton, George, Apr 13 p 20
 Sklog, Charles A., Apr 6 p 104; Apr 27 p 28*; June 29 p 59
 Skroch, T., May 4 p 17
 Slavin, H. J., June 8 p 25
 Sloan, F. M., Apr 20 p 101
 Sloan, J. L., May 18 p 201‡
 Slusher, A. R., June 15 p 164
 Smal, John D., Mar 2 p 22; Mar 16 p 21*
 Small, Robert O., Mar 23 p 114
 Smart, Fred L., Jan 19 p 54
 Smart, Robert F., June 8 p 25
 Smereke, F. A., May 25 p 30; June 15 p 163*
 Smilanich, D. S., Jan 12 p 14*
 Smith, A. G., Jan 26 p 63
 Smith, Anson G., June 8 p 24, p 25
 Smith, Claude B., Apr 6 p 108
 Smith, Dwight L., Feb 16 p 57
 Smith, E. L., Mar 9 p 138
 Smith, E. W., Mar 30 p 28; Apr 20 p 126; Apr 27 p 29‡
 Smith, G. C., May 25 p 27
 Smith, George A., Jan 12 p 15
 Smith, Goff, June 22 p 34*
 Smith, H. A., Jan 5 p 56; Mar 23 p 140; Apr 20 p 126
 Smith, Harold A., Jan 12 p 246; Jan 19 p 52*
 Smith, Harry J., Mar 9 p 139
 Smith, J. Francis, Apr 13 p 22
 Smith, J. R., June 20 p 59
 Smith, James A., Apr 27 p 26*
 Smith, Joseph V., Jan 12 p 15*
 Smith, M. H., Feb 16 p 62
 Smith, Morton S., Mar 30 p 28; Apr 20 p 110*
 Smith, N. E., Feb 9 p 98
 Smith, P. C., Jan 26 p 57
 Smith, P. W., May 11 p 22; May 18 p 179*
 Smith, R. Fred, Feb 9 p 92*
 Smith, R. R., Mar 9 p 140
 Smith, Ralph H., June 22 p 34
 Smith, Robert M., Feb 23 p 61
 Smith, Roy W., June 1 p 90‡
 Smith, Sidney, Apr 13 p 24*
 Smith, Somers H., Jan 5 p 56
 Smith, Van Dorn C., June 29 p 59
 Smith, Wentworth, Jan 12 p 16
 Smithers, William B., May 25 p 21
 Smucker, David E., Jan 5 p 52*
 Smurr, C. F., Jan 12 p 255
 Sneddon, R. R., May 11 p 34
 Snodgrass, Tom R., Jan 5 p 56
 Snyder, Edward P., June 1 p 90
 Snyder, G. H., Jan 19 p 48
 Soderholm, Glenn E., Feb 16 p 59‡
 Somes, George C., Jr., Apr 27 p 22
 Sorensen, L. K., Apr 13 p 25*; May 11 p 27
 Sparks, A. L., Feb 2 p 54
 Spears, J. P., Feb 9 p 94; Mar 23 p 134‡
 Spears, Ralph E., Jan 19 p 50
 Spener, Harold E., Apr 20 p 108
 Speier, R. H., Apr 13 p 21
 Spitzer, H. E., Feb 23 p 62*
 Splawn, Walter M. W., June 15 p 8; June 22 p 10*
 Spooner, Gordon E., Jan 12 p 257
 Spooner, John H., Jan 12 p 252†
 Squire, Frank C., Mar 9 p 15
 Stanton, E. B., Feb 9 p 93*, p 94
 Starbuck, J. C., June 15 p 130
 Starr, Paul D., Feb 32 p 72
 Stearns, Dan, Mar 23 p 122*
 Stein, E. E., Feb 9 p 93
 Stein, Frank O., June 29 p 61
 Stein, J. J., May 25 p 26
 Steiner, Raymond J., Feb 16 p 59‡
 Stephens, Ray, Mar 9 p 141
 Stephenson, E. P., Apr 20 p 93
 Steptoe, W. E., Feb 9 p 93
 Stetson, Horace B., Jan 19 p 53; May 18 p 203; May 25 p 30
 Stevenson, Merritt S., Mar 9 p 16*
 Stewart, A. D., Jan 26 p 63*
 Stewart, A. L., June 8 p 24
 Stewart, C. D., May 18 p 183*
 Stewart, C. G., Feb 16 p 59‡

Stewart, Gordie, Mar 16 p 30; Apr 20 p 120*

Stewart, J. F., Mar 9 p 138

Stewart, J. H., May 11 p 26; June 22 p 35‡

Stewart, John, Mar 9 p 138; Mar 16 p 28

Stickley, Robert M., Jr., Feb 16 p 62

Stiglemeier, Albert F., Jan 19 p 56

Stillwell, Wilson H., June 1 p 93‡

Stocker, C. H., Mar 9 p 138

Stokes, Earl C., Apr 13 p 25

Stokes, John D., Jan 12 p 16

Stokes, L. Duncan, May 11 p 30

Stone, Sidney S., June 8 p 25

Storms, W. S., Jan 19 p 39

Stotisbury, H. G., Feb 9 p 96

Stott, L. H., Mar 23 p 123

Stott, Tom, May 11 p 22

Strachan, J. R., Jan 19 p 53; Mar 16 p 27‡

Strebeck, G. O., Apr 27 p 28; May 11 p 27

Strege, Gilbert C., Feb 9 p 90

Stribling, J. C., June 8 p 25

Strickland, C. A., May 4 p 78

Strickland, J. P., Apr 27 p 28

Strode, G. P., Apr 27 p 28; June 8 p 25‡

Strohl, Bert L., Jan 19 p 56

Stromberg, G. C., Jan 5 p 53*

Struble L. P., Jan 19 p 16; Feb 16 p 49

Stuart, Ralph, Apr 20 p 101

Stuart, W. Parker, May 25 p 30

Stubbs, Robert C., Feb 16 p 61*

Stump, J. C., Mar 23 p 75

Sturtevant, Charles A., Feb 16 p 60‡

Sugg, W. R., Jr., Feb 2 p 52

Suggs, J. T., Apr 13 p 24*

Sullivan, C. M., Feb 23 p 73

Sullivan, Harry L., Feb 9 p 96

Sullivan, H. Paul, Mar 2 p 24; Mar 23 p 129, p 132‡

Sutter, H. F., Jan 5 p 55

Sutton, J. H., Jan 12 p 255; Feb 23 p 66‡

Swain, M. L., Mar 30 p 29

Swander, Ira A., May 25 p 26

Swann, P. C., Jan 12 p 255

Swanson, Ervin E., June 8 p 25

Swanson, Frank J., June 1 p 88

Sweeney, F. C., May 11 p 22

Sweeney, Francis G., Jan 5 p 53

Sweet, R. L., Jan 19 p 54

Sylvester, Edmund Q., Feb 9 p 90*

T

Tabbert, W. C., Jan 5 p 14

Tabors, Robert G., June 29 p 50

Tagliaferi, Tony, Jan 5 p 56

Tamblyn, G. A., Mar 9 p 17*

Tannehill, R. S., Apr 6 p 108

Tansley, Albert, Mar 23 p 136; Apr 20 p 108

Tarrant, F. A., May 11 p 34

Tate, Harry F., Feb 9 p 14

Tate, W. E., Mar 16 p 28; Apr 20 p 110*

Tauer, J. A., June 1 p 89*

Taylor, E. C., Jan 26 p 63

Taylor, E. N., Apr 13 p 25

Teal, Donald C., May 25 p 30

Teeter, Otis D., Mar 9 p 139

Tegtmeyer, Ruth H., Apr 6 p 96

Terry, M. B., June 15 p 139

Tetlow, K. A., May 18 p 194

Thames, J. E., May 18 p 201

Theby, Joseph T., Feb 16 p 57; Apr 6 p 104*

Thexton, J. R., June 15 p 125*

Thomann, J. F., Jan 5 p 54

Thomas, C. D., Apr 27 p 28; June 15 p 150*

Thomas, E. W., June 1 p 16

Thomas, Edward M., Jr., June 1 p 86

Thomas, Fay, May 11 p 34

Thomas, H. E., June 8 p 19

Thomas, L. R., Feb 2 p 38

Thomas, Paul, June 29 p 61

Thomas, R. J., Apr 20 p 108

Thomas, Robert E., June 15 p 16*

Thomas, W. J., Jan 19 p 56

Thomas, Warren A., Jan 19 p 48*

Thompson, E. D., Jan 12 p 258

Thompson, Owen E., Jan 19 p 58

Thompson, Roy, June 22 p 38

Thompson, T. B., Feb 9 p 102*

Thomsen, D. H., Apr 6 p 108

Tor, A. O., May 11 p 26

Thorson, O. A. C., Jan 19 p 16

Thoroughgood, C. J., June 8 p 25

Thrasher, C. E., June 1 p 16

Tice, Harry E., Apr 27 p 29

Tigar, R. D., June 1 p 90

Tilton, W. L., May 25 p 27

Tipton, J. W., May 11 p 27*

Tirmenstein, Herbert M., Mar 16 p 27‡

Tjaden, John L., Mar 23 p 134, p 140

Tobey, Charles W., Feb 2 p 8*

Tobin, Thomas J., Jan 5 p 53*

Todd, Joseph E., Apr 20 p 108

Toomas, Oscar J., May 13 p 190

Tomlinson, F. W., June 29 p 49

Toty, G. A., Jan 26 p 63

Townsend, Gerard B., Jan 5 p 53

Tracy, M. J., June 1 p 90

Travis, Arnold, Jan 12 p 256

Treadway, J. R., Apr 13 p 25

Tredway, Fred Q., Feb 9 p 14*

Tresch, G. L., Jan 12 p 258

Trinkner, Ralph C., June 8 p 24

Trloth, R. W., Mar 2 p 20

Trovillion, Robert A., June 29 p 60*

Trump, J. William, Jan 12 p 264; Mar 16 p 30

Tryon, Clarke, June 1 p 88

Tufel, W. R., May 25 p 30

Tulloch, R. R., Jan 26 p 63

Turner, P. R., Apr 20 p 101

Turner, W. F., Jan 5 p 51

Turner, W. T., Apr 6 p 104‡

Tussey, W. A., Apr 13 p 25

Tuttle, Albert W., Jan 12 p 252

Tyler, Buford W., Mar 30 p 28; Apr 6 p 106; May 4 p 93*; June 15 p 130

U

Uline, William A., Mar 2 p 21

Underwood, Carl P., Mar 23 p 134

Unger, Robert, June 15 p 140

Upton, F. A., May 18 p 204‡

Urbach, Henry H., Jan 26 p 62*

V

Valentine, J. J., Feb 2 p 52

Valentine, Versie R., Apr 27 p 28

Van Hook, Jasper, Jan 12 p 252

Van Nortwick, J. R., Feb 23 p 72

Van Pelt, A. B., May 11 p 26*

Vaughan, George C., Apr 6 p 106

Vaughan, Roger E., Jan 26 p 57

Vaughn, H. H., Apr 6 p 106; May 4 p 93*

Velitch, Glen D., Apr 13 p 25

Venrick, Charles F., Apr 20 p 101, p 104*

Verd, Paul H., Feb 16 p 59

Vierling, U. S., Feb 9 p 94

Vincent, S. Hayward, May 11 p 30

Vogel, Martin S., Jan 12 p 254

Volkert, Richard C., Feb 9 p 96

Voorhees, B. S., Feb 16 p 16

Vore, Kenneth L., May 11 p 14

W

Wack, John W., Jan 19 p 53

Wade, R. V., Feb 2 p 53

Wadsworth, T. P., Feb 16 p 60‡

Wages, T. D., Mar 2 p 25

Wagner, Daniel J., Mar 16 p 21

Wagner, F. P., Feb 16 p 50*

Wagner, Dr. J. Hubert, Apr 27 p 21

Wakeman, William D., Feb 16 p 62; Mar 23 p 138‡

Waldbauer, Walter M., Mar 23 p 123*

Waldrop, Emory F., Jr., May 11 p 27*

Walford, Norman A., Mar 16 p 28*

Walker, Carl B., Apr 27 p 28; June 1 p 92*

Walker, Horace L., May 18 p 104*

Walker, Hunter G., Jan 12 p 257‡; Jan 19 p 51; Feb 23 p 66‡

Walker, John Page, Jan 12 p 257

Wall, John R., Apr 6 p 104; May 25 p 26*

Wallace, Donald W., Feb 9 p 14*

Wallenius, John W., Jan 19 p 57

Waller, A. S., June 15 p 148

Walsh, James P., May 18 p 23‡

Walsh, Joseph P., May 18 p 192

Walsh, Thomas S., Jan 19 p 50

Walter, John R., Feb 9 p 96; Mar 23 p 140‡

Waltber, E. W., Jan 26 p 63

Walworth, Roy E., Apr 20 p 120

Ward, Arthur, Jan 5 p 16

Ward, Frank B., Jan 5 p 55

Ward, Robert W., Jan 26 p 57

Wardell, Charles C., May 25 p 22*

Warden, Louise F., Mar 9 p 139

Warder, R. L., Feb 16 p 59

Ware, C. N., Apr 6 p 108; June 1 p 92*

Warner, C. E., Jan 19 p 53; Mar 16 p 27‡

Warner, Daniel T., Jr., Jan 12 p 15

Warner, J. R., May 4 p 92; June 15 p 146‡

Warner, William M., May 18 p 179‡

Warrell, Bytheil, Mar 16 p 29

Warren, C. T., Apr 6 p 106

Warren, George E., Jan 5 p 17

Warren, J. A., Jan 26 p 61*

Warren, J. T., Feb 9 p 94

Washburn, Dr. W. W., Apr 27 p 21

Wassmund, W. H., Apr 13 p 24

Waterman, N. L., May 11 p 26

Watkins, C. W., Mar 2 p 25

Watkins, J. W., May 18 p 197

Watkins, S. R., Mar 9 p 17‡

Watson, C. R., May 18 p 201

Watson, F. E., Mar 2 p 25

Watson, G. A., June 15 p 150

Watson, H. W., Feb 9 p 92

Watson, Robert, June 22 p 34

Watson, W. E., Mar 16 p 22

Watts, L. A., Feb 16 p 51*

Way, A. E., Mar 9 p 138

Weaver, James E., Feb 9 p 90

Weaver, R. B., Mar 16 p 29*

Weber, Charles, June 22 p 35

Weber, E. J., Apr 20 p 108

Weber, Lawrence L., Jan 12 p 15

Weber, William H., Apr 13 p 25

Weber, William H., Jan 19 p 90

Weber, William L., Jan 19 p 176

Weeks, Sinclair, June 8 p 12

Weger, V. M., Apr 13 p 25

Weiler, Byron P., Mar 26 p 57

Weiss, H. A., Mar 23 p 134

Welch, George J., Jan 19 p 53

Wellington, Raymond, June 15 p 134

Wellinitz, Paul J., Jan 5 p 16

Wells, Robert E., Feb 9 p 96

Wennerberg, O., Feb 16 p 54

Wentworth, Leslie W., June 15 p 151‡

Wentz, R. C., May 18 p 201

Werlich, C. J., Mar 30 p 23‡

Werner, J. R., Feb 9 p 94

Werthmuller, L. S., Apr 20 p 126

Westcott, Carl F., Feb 9 p 104

Westphal, W. P., June 29 p 61

Wetzel, J. A., June 15 p 163

Weygand, W. G., Feb 16 p 54

Wheeler, A. W., Feb 23 p 61

Wheelock, Arthur P., May 25 p 26

White, Alan M., Jan 5 p 53‡; Mar 2 p 25*

White, James M., Jan 26 p 57*

White, Robert S., Mar 30 p 23

White, Roy B., May 18 p 8

White, V. C., May 25 p 27

White, William, Mar 30 p 28

Whitehead, H. F., Apr 20 p 126

Whitlock, E. H., Jan 5 p 55

Whitman, Frederic B., Mar 30 p 22; June 8 p 7

Whittemore, Frederick, Apr 6 p 106*; Apr 13 p 25

Wickwire, Robert M., Jan 19 p 58; Feb 23 p 72*

Widman, B. E., May 11 p 30‡

Wieglee, Charles F., Mar 30 p 28; May 4 p 89*

Wiegner, George L., May 25 p 30

Wiersum, Harold E., May 4 p 17

Wiggins, James E., Jr., Jan 12 p 206; Jan 19 p 64*

Wighton, T. W., Apr 6 p 108

Wilber, Glenn C., May 18 n 194‡

Y

Yarbrough, Lloyd, Apr 20 p 108

Yarwood, Margaret, Apr 6 p 93*

Yelton, Robert A., Mar 9 p 130

Yerger, J. F., Apr 6 p 61

Yoe, H. M., Jan 19 p 53

Young, B. E., June 29 p 54*

Young, E. G., Feb 9 p 92

Young, G. M., May 11 p 34‡

Young, J. A., Mar 16 p 30

Young, O. L., Apr 13 p 24*

Young, Robert R., Apr 20 p 18

Z

Zane, Harry S., Mar 2 p 25*

Zanollo, James F., Feb 9 p 100

Zaoral, Charles T., June 29 p 18

Zeigler, W. S., Feb 2 p 52

Zelinsky, Thomas R., Mar 23 p 123

Zempke, John I., Mar 2 p 25

Zerbel, W. A., May 25 p 26

Zika, F. J., Jan 12 p 254

Zilch, N. W., May 25 p 22

Zoll, Erlie J., Jr., Apr 20 p 108

Zullingher, J. A., Apr 13 p 25

Zydr, Helms P., Jan 5 p 55

OBITUARY

[*Indicates photograph and sketch; †Indicates sketch only]

Abbott, Walter L., Jan 12 p 252
 Achenbach, George A. W., May 11 p 34

Barrett, Pearce L., June 15 p 150; May 164
 Biddle, Arthur E., May 11 p 22†; June 8 p 12
 Biltz, Charles H., Jan 12 p 266
 Bogardus, H. J., Mar 2 p 25
 Bothwell, Tracy L., Mar 9 p 112
 Buckland, Edward G., Apr 6 p 108‡

Cain, Basil S., Jan 19 p 50*
 Caine, Charles H., June 29 p 59
 Carlton, R. P., June 29 p 59
 Carroll, Harry M., May 25 p 22
 Carter, W. E., Apr 27 p 28
 Charske, Fannin W., May 11 p 34*; June 8 p 24
 Clarke, Herbert R., Mar 9 p 142
 Cooper, J. J., Feb 16 p 62
 Cooper, S. B., May 11 p 22
 Cullen, Frank J., June 29 p 59
 Culp, Roy M., Jan 19 p 53

Daris, John J., Jr., Apr 6 p 101
 Deben, J. H., Jan 12 p 252
 Delano, Frederic A., Apr 6 p 168‡
 Dorrance, William T., Apr 27 p 29
 Douglass, George S., Jan 12 p 14*; Feb 16 p 16
 Duesenberry, J. F., Apr 27 p 28
 Dyer, Walter R., May 25 p 26

Finegan, Eugene B., Apr 13 p 25
 Fitchett, Thomas H., Apr 20 p 108

Gardner, Robert H., Mar 23 p 123
 Gehlhor, Walter A., May 11 p 30
 Golden, Frank M., Mar 9 p 142
 Graham, George E., Apr 6 p 108
 Graham, Harry E., Mar 30 p 23

Haines, George G., Mar 30 p 29‡
 Harsh, H. H., Feb 9 p 100
 Hawkes, Nathan W., Mar 16 p 30
 Haynes, George B., May 18 p 204
 Hentz, T. E., Feb 16 p 62
 Hill, E. D., May 11 p 30
 Hoeksema, J. J., Mar 16 p 30‡
 Hogan, George M., June 22 p 34
 Hopkins, T. J., Mar 16 p 21
 Howes, Cyrus P., June 22 p 38‡
 Huhner, W. R., Apr 6 p 108

Ingwersen, John A., Jan 5 p 16
 Jeffers, William, Mar 16 p 30‡
 Jones, Joseph W., Apr 13 p 23‡

Kipp, L. E., Feb 9 p 104

Lake, Charles S., May 11 p 34
 Larson, G. H., Feb 23 p 62
 Lascelles, R. J., Feb 9 p 90
 Lewis, W. L., Jan 12 p 15
 Lloyd, U. E., Mar 9 p 139
 Lomonosoff, Dr. George V., Jan 19 p 46‡

McCarthy, Arthur C., Feb 16 p 62*
 McCraven, J. M. P., Jan 5 p 17; Jan 19 p 50*
 McDonald, J. S., Feb 9 p 96

McDonald, William A., June 22 p 38
 McInnis, E. E., Apr 27 p 29; May 11 p 31*
 McLaughlin, J. W., June 15 p 139
 Mellen, John J., Jan 19 p 56
 Metcalf, Lee C., Mar 9 p 139
 Meyer, Carleton W., Feb 23 p 19*
 Moffat, James D., June 1 p 93*
 Moorshead, Alfred L., May 11 p 34
 Mootz, A. P., Feb 16 p 62†; Mar 2 p 24

Nahier, Eugene G., Feb 16 p 57, p 62*
 Nelson, Emil E., May 11 p 34
 Newman, William A., Mar 16 p 30‡; Apr 20 p 120
 Nichols, Mongin B., June 15 p 164
 Owen, Thomas E., Jan 19 p 58; Mar 9 p 141; Mar 16 p 30

Patten, George F., June 1 p 93
 Patten, Gladstone F., Apr 20 p 126
 Pearce, R. A., Mar 16 p 29
 Pearman, Claude A., Apr 27 p 20‡
 Post, W. H., Mar 23 p 140; Mar 30 p 29‡
 Prince, Frederick H., Feb 9 p 15‡

Quinn, W. J. G., Mar 2 p 25; Mar 9 p 138

Raps, John F., June 22 p 34
 Ridgway, Arthur, Mar 2 p 25
 Rigby, John H., Jan 19 p 58
 Rodwell, K. W., Mar 9 p 128
 Roeller, Russell S., Mar 23 p 123
 Ross, Frank E., Sr., June 22 p 38‡

Ross, Neil R., May 11 p 34
 Russell, B. F., June 1 p 93
 Ryan, William M., Jan 26 p 58

Sanderson, Harry M., Apr 27 p 29
 Schrand, George C., Jan 26 p 64
 Shane, James E., Jan 5 p 17‡
 Singer, Arthur J., June 29 p 50
 Smith, Harry C., Mar 23 p 123
 Smith, Paul W. J., Apr 27 p 29
 Spencer, Dwight R., Jan 26 p 64
 Spemer, Fred H., Feb 23 p 62; Mar 2 p 22*
 Stahl, Henry A., Feb 9 p 104
 Steteklub, Fred W., Feb 9 p 104‡; Mar 16 p 28
 Strong, Clifford M., Jan 5 p 55
 Stuart, J. M., May 11 p 30; May 18 p 201
 Sweetin, Hoyt D., Apr 13 p 25*; May 11 p 27

Tabor, Carl H., Feb 9 p 92, 104*
 Tice, W. R., Mar 30 p 29
 Tihen, U. F., Apr 20 p 120
 Trageser, Paul A., Mar 2 p 25‡

Van Ornum, A. J., Jan 26 p 63

Walber, John G., May 25 p 30
 Weber, Robert J., Jan 12 p 16
 Westfall, L. B., May 25 p 22
 Wilkinson, Fred C., Mar 2 p 25‡
 Williams, Emmett A., May 11 p 22
 Witting, Frank H., Feb 9 p 104; Feb 16 p 62

NEW FACILITIES

Alaska, June 15 p 141
 Algiers, Winslow & Western, Mar 16 p 26
 Atchison, Topeka & Santa Fe, Jan 26 p 58; Feb 23 p 23; Apr 13 p 21; May 18 p 183
 Atlantic Coast Line, Apr 13 p 21; May 18 p 183

Bangor & Aroostook, Mar 9 p 18
 Bessemer & Lake Erie, May 4 p 19
 Bevier & Southern, Mar 23 p 123

California, Arizona & Santa Fe, Apr 13 p 21
 Canadian National, Mar 23 p 123; May 18 p 183
 Canadian Pacific, May 4 p 19
 Chesapeake & Ohio, May 4 p 19; June 15 p 141
 Chicago & Illinois Midland, Mar 23 p 123
 Chicago & North Western, May 18 p 183
 Chicago, Burlington & Quincy, May 11 p 23; June 8 p 20
 Chicago, Indianapolis & Louisville, Mar 23 p 123; June 20 p 60
 Chicago, Milwaukee, St. Paul & Pacific, Mar 16 p 26; June 15 p 140
 Chicago, Rock Island & Pacific, May 18 p 183; June 15 p 140

Denver & Rio Grande Western, Jan 5 p 53; Apr 13 p 21
 Des Moines & Central Iowa, May 18 p 187
 Detroit, Toledo & Ironton, May 18 p 187

Elgin, Joliet & Eastern, Apr 13 p 21

Florida East Coast, Mar 23 p 125

Grand River, June 15 p 141
 Great Northern, June 15 p 141
 Gulf, Colorado & Santa Fe, May 18 p 187

Illinois Central, Feb 23 p 23; Mar 23 p 125; June 29 p 60

Jersey Central Lines, May 18 p 187

Louisville & Nashville, Mar 23 p 125; May 18 p 187

Midland of Manitoba, May 18 p 187
 Minneapolis, St. Paul & Sault Ste. Marie, May 18 p 187; June 15 p 141
 Minnesota Transfer, June 8 p 20
 Missouri Pacific, Feb 23 p 23; Apr 13 p 21; May 4 p 19; June 15 p 141; June 22 p 30

Nashville, Chattanooga & St. Louis, May 18 p 187
 New York Central, Feb 23 p 23; Mar 16 p 26
 New York, New Haven & Hartford, Mar 9 p 18; Apr 13 p 21

Nichols, Fayette & Greenbrier, June 8 p 20
 Norfolk & Western, May 18 p 187; June 8 p 20

Oregon Electric, Mar 23 p 125
 Oregon Short Line, May 18 p 187
 Oregon Trunk, Mar 23 p 125

Panama, Mar 30 p 26
 Pennsylvania, Apr 13 p 21; May 25 p 22; June 29 p 60

Sacramento Northern, June 22 p 30
 St. Louis-San Francisco, Mar 16 p 26; Apr 13 p 21

St. Louis Southwestern, June 22 p 30

Seaboard Air Line, June 22 p 30

Southern, May 18 p 187; June 8 p 19

Southern Pacific, Mar 9 p 18

Spokane, Portland & Seattle, Mar 23 p 125; June 22 p 30

Texas & New Orleans, Jan 26 p 58; May 18 p 187

Texas & Pacific, Mar 16 p 26; May 18 p 187

Union Pacific, Jan 26 p 58; May 4 p 19; May 18 p 187

Western Pacific, May 18 p 187

ABANDONMENTS

Bessemer & Lake Erie, Feb 23 p 60

Central of Georgia, Feb 23 p 60

Denver & Intermountain, Feb 23 p 60

Erie, May 18 p 188

Hooppole, Yorktown & Tampico, May 18 p 188; June 15 p 134

Huntingdon & Broad Top Mountain, Feb 23 p 60

Illinois Terminal, Feb 23 p 60; Mar 16 p 26

Lehigh Valley, Feb 23 p 60; May 18 p 188

Long Island, June 15 p 134

Longview, Portland & Northern, May 18 p 188
 Louisiana & Arkansas, May 18 p 188

Monongahela, May 18 p 188
 Mount Carmel, Feb 23 p 60

New York, New Haven & Hartford, Mar 16 p 26; May 18 p 188

New York, Philadelphia & Norfolk Railroad Ferry Co., May 18 p 188

Norfolk Southern, May 18 p 188

Oneida & Western, Feb 23 p 60

Pacific Electric, May 18 p 188; June 15 p 134

Pennsylvania, Mar 16 p 26; May 18 p 188

Reading, Feb 23 p 60; June 15 p 134

St. Joseph & Grand Island, May 18 p 188

Suncook Valley, May 18 p 188

Tama & Toledo, Feb 23 p 60

Texas & Pacific, May 18 p 188

Union Pacific, Feb 23 p 60

Western New York & Pennsylvania, Feb 23 p 60

FINANCIAL NEWS

Alleghany Corporation, Jan 12 p 18; Apr 13 p 22, p 23; May 4 p 18; May 18 p 191; June 8 p 20

Aroostook Valley, Apr 27 p 26

Atchison, Topeka & Santa Fe, May 11 p 23

Atlanta & Saint Andrews Bay, Jan 19 p 50

Atlantic & Danville, June 1 p 88

Baltimore & Ohio, Feb 16 p 54; Mar 2 p 23; Mar 9 p 17; June 29 p 60

Bangor & Aroostook, Jan 5 p 17; Jan 12 p 18; Apr 6 p 103

Boston & Maine, Apr 27 p 26; May 11 p 23

Boston Terminal Corporation, Jan 5 p 18

Campbell's Creek, Mar 30 p 27; May 18 p 101

Canadian National, Mar 23 p 127

Canadian Pacific, Mar 23 p 127

Carbon County, Apr 13 p 23; June 8 p 20

Carolina, Clinchfield & Ohio of South Carolina, Jan 12 p 18

Central of Georgia, Jan 26 p 58

Central of New Jersey, Feb 16 p 54; Mar 30 p 27

Chesapeake & Ohio, Jan 19 p 51; Feb 2 p 53; Feb 9 p 92; Mar 9 p 17; Apr 13 p 23; June 8 p 24

Chicago & Eastern Illinois, Mar 16 p 22; Apr 6 p 103

Chicago & North Western, Feb 23 p 63; Apr 6 p 103; May 18 p 191; June 22 p 35

Chicago, Aurora & Elgin, Jan 19 p 50; June 22 p 34

Chicago, Burlington & Quincy, Mar 16 p 22; Mar 30 p 26; May 4 p 18; May 18 p 190, p 191

Chicago Great Western, Mar 23 p 127; June 15 p 145

Chicago, Rock Island & Pacific, Jan 12 p 248

Chicago, St. Paul, Minneapolis & Omaha, June 1 p 89

Cleveland, Cincinnati, Chicago & St. Louis, Mar 16 p 22

Consolidated of Cuba, Jan 5 p 17; Mar 2 p 22; June 29 p 60

Cuba, June 29 p 60

Delaware, Lackawanna & Western, Jan 5 p 53; Feb 2 p 53; Feb 9 p 91; Mar 23 p 127; Mar 30 p 26; Apr 27 p 27

Denver & Rio Grande Western, Mar 23 p 127; May 4 p 18

Detroit & Toledo Shore Line, Jan 19 p 51

Erie, Feb 9 p 91; Feb 16 p 54; Mar 30 p 26

Florida East Coast, Jan 26 p 58; Mar 30 p 26

Garden City Western, Jan 12 p 248

Georgia & Florida, Feb 16 p 54; Apr 6 p 103; June 8 p 20

Great Northern, Jan 19 p 51; Mar 2 p 22

Hudson & Manhattan, Feb 23 p 62

Illinois Central, Jan 19 p 51; Feb 9 p 92; Feb 16 p 55; Mar 9 p 138; Mar 23 p 127; Mar 30 p 26; June 29 p 60

International-Great Northern, Feb 2 p 53; Mar 9 p 17

Kansas City Southern, Feb 9 p 91; Mar 2 p 23; Apr 6 p 103

Lake Terminal, Mar 30 p 27; May 4 p 18

Long Island, Jan 10 p 50; Feb 16 p 55; Mar 23 p 125; Apr 6 p 101; Apr 27 p 27; June 1 p 88

Long Island Transit Authority, Mar 23 p 125; Apr 6 p 101

Maine Central, Feb 16 p 55; Mar 30 p 27

Manistee & Northeastern, Mar 30 p 26

Meridian & Bigbee, Jan 12 p 18

Meridian & Bigbee River, Jan 12 p 18

Minneapolis, St. Paul & Sault Ste. Marie, May 18 p 190

Missouri-Kansas-Texas, Jan 12 p 18; May 4 p 17, p 18; May 18 p 190

Missouri Pacific, Jan 5 p 17; Jan 19 p 50; Feb 2 p 53; Feb 9 p 90; Feb 16 p 55; Mar 2 p 22; Mar 9 p 138; Mar 16 p 22; May 4 p 18; June 1 p 88, p 89; June 8 p 20; June 15 p 142; June 22 p 34, p 35

Montour, May 4 p 18

Narragansett Pier Railroad, May 18 p 190

Nashville, Chattanooga & St. Louis, Jan 5 p 18

New Jersey & New York, Apr 13 p 22

New Orleans & Northeastern, Jan 19 p 51; Feb 16 p 55

New Orleans Terminal Company, Jan 12 p 248

New York Central, Jan 19 p 50, p 51; Jan 26 p 55; Feb 9 p 91, p 92; Feb 23 p 62; Mar 16 p 22; Mar 23 p 127; Mar 30 p 27

New York, Chicago & St. Louis, Mar 30 p 27; May 11 p 23; May 25 p 26; June 8 p 20, p 24; June 15 p 145

New York, New Haven & Hartford, Feb 2 p 53; Apr 13 p 22, p 23; May 18 p 191

New York, Susquehanna & Western, Feb 16 p 55; Apr 6 p 101; June 1 p 88

Newburgh & South Shore, Apr 13 p 23; June 8 p 20

North Pennsylvania, Jan 12 p 248

Northern Pacific, Jan 26 p 58; May 4 p 17; June 15 p 142

Pacific Electric, Mar 16 p 22

Pennroad Corporation, Feb 16 p 55; Mar 23 p 127

Pennsylvania, Jan 26 p 61; Mar 9 p 17; Apr 13 p 22; May 4 p 18; June 15 p 143

Rahway Valley Company, Jan 26 p 58

Reading, Feb 9 p 91; Mar 30 p 26; May 11 p 23; June 1 p 89; June 8 p 20

Rutland, Jan 19 p 50

St. Louis Merchants Bridge Terminal, May 18 p 190; June 29 p 60

St. Louis-San Francisco, Jan 5 p 18; May 4 p 18; June 8 p 24; June 29 p 60

St. Louis Southwestern, Apr 13 p 22; May 18 p 191

Savannah & Atlanta, Jan 26 p 58

Savannah State Docks Railroads, Jan 12 p 248

Seaboard Air Line, June 8 p 20

South Western, Mar 16 p 22

Southern, Jan 19 p 51; Feb 2 p 53; Feb 16 p 55; Mar 9 p 17; Apr 13 p 23; May 18 p 191; June 15 p 144

Southern Pacific, Jan 5 p 18; Apr 13 p 23; May 18 p 191; June 15 p 143, p 145

Spokane International, Jan 5 p 18; Feb 2 p 53; Mar 23 p 127

Staten Island Rapid Transit, Jan 5 p 18

Tennessee Central, Feb 2 p 53; Feb 16 p 55

Texas & New Orleans, Mar 30 p 26

Texas-New Mexico, Apr 13 p 23; May 18 p 191

Texas Pacific—Missouri Pacific Terminal of New Orleans, Jan 26 p 61

Toledo, Peoria & Western, Jan 19 p 51

Union, Mar 30 p 27; Apr 20 p 104

Union Pacific, Mar 2 p 22

Valdosta Southern, Jan 19 p 51

Virginian, Jan 19 p 51; Mar 2 p 23

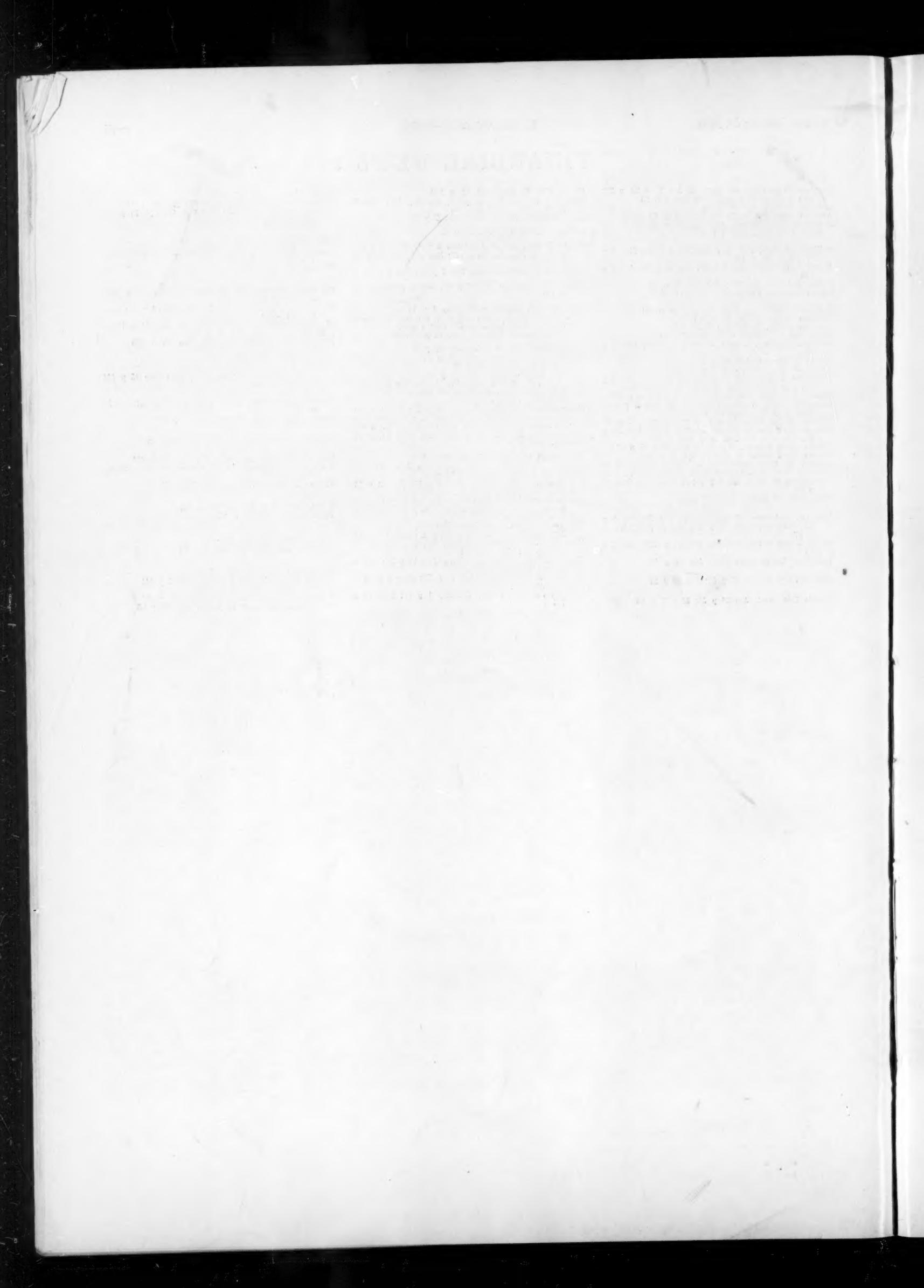
Wabash, Jan 5 p 18; Jan 12 p 248

Western Maryland, June 1 p 89; June 15 p 141

Western Pacific, June 15 p 144

Western Transit Systems, Inc., Mar 16 p 22

Wisconsin Central, May 18 p 102; June 22 p 35





The Simplest Way
to assure a Tight, Rigid Frog

No track foreman purposely allows a frog to be loose or badly aligned. But it sometimes happens; and when it does, the hazard is great.

Our suggestion: eliminate the danger of the loose, jiggly frog by installing Bethlehem Twin Hook Frog Plates.

They anchor the frog securely, preventing lateral movement in either direction. The frog stays rigidly aligned with the rails. No rattle, no play, no loosening up. Here's why:

Twin Hook Frog Plates are always installed in pairs, each plate having its own integral forged hook. During installation the two plates are laid parallel, touching each other, with one hook on each side of the frog base. A tight, snug grip results.

Plates are fastened to the ties by ordinary spiking—a quick, simple job. And here's another point you'll like. Since the plates are used in pairs, you can employ

the same length at several *different* tie positions under different angle frogs. No need for a large and confusing variety of lengths.

These simple, sturdy frog plates are low in cost, and there's virtually no maintenance. They're a safety device that belongs under every frog. Why not ask for details? Folder 390 will bring you the full story.

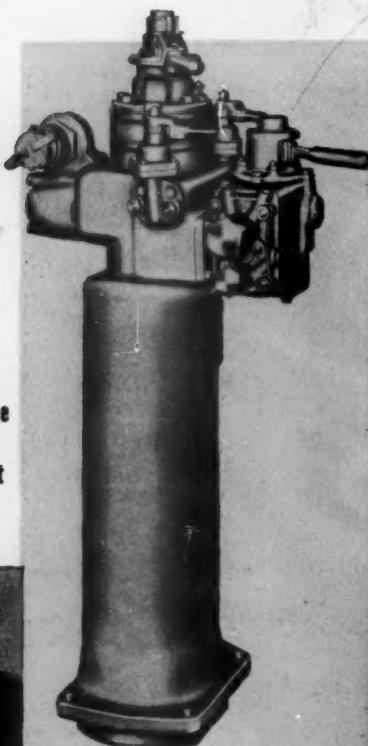
BETHLEHEM STEEL COMPANY, BETHLEHEM, PA.
 On the Pacific Coast Bethlehem products are sold by Bethlehem Pacific Coast Steel Corporation. Export Distributor: Bethlehem Steel Export Corporation



BETHLEHEM TWIN HOOK FROG PLATES

"Boy! He handles that thing just like a taxi!"

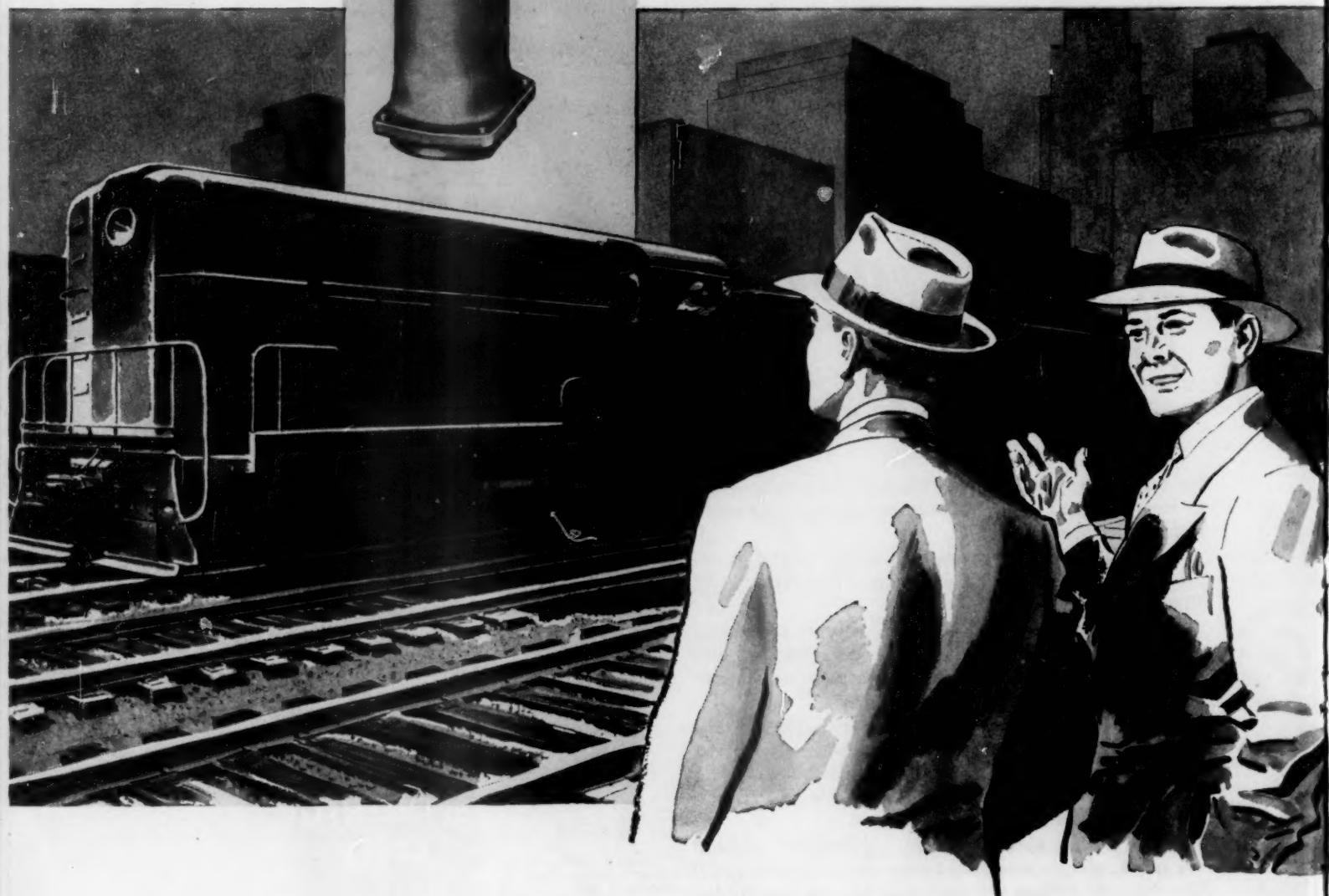
The Westinghouse
Air Brake 6-SL
Brake Equipment



THE day is gone when yard locomotive engineers spent more time controlling the locomotive than they did switching cars. Now, with the aid of Westinghouse 6-SL Brake Equipment, yard locomotives are controlled easily and accurately, and the engineer can devote his full attention to the switching operation.

The 6-SL Brake Equipment is built specifically for yard switchers. It provides a high degree of flexibility—matching that of the Diesel switcher itself. It performs along with the Diesel, 'round the clock, and thereby contributes to the high working availability of yard switchers.

The 6-SL Brake provides all the basic functions that enable a modern yard switcher to perform most productively and economically.



W Westinghouse Air Brake Company

AIR BRAKE DIVISION
WILMERDING, PA.